

**HEALTH REPORT**  
FOR THE  
**CITY OF NEWARK**  
↔↔  
**1945**



**HON. JOHN A. BRADY, Director,**  
*Department of Public Affairs.*

*Department of Health, Newark, N. J.*  
**CHARLES V. CRASTER, M.D., D.P.H.,**  
*Health Officer.*



John P. Smith 2/25



1945, THE 4TH YEAR OF WORLD WAR II, WITNESSED A VARIETY OF CHANGES IN LIVING STANDARDS AND MUCH PERSONAL INCONVENIENCE SUCH AS OVERCROWDING AND RESTRICTIONS UPON FOOD AND CLOTHING, BUT NO MEASURABLE ILL EFFECTS UPON PUBLIC HEALTH. MORBIDITY AND MORTALITY RATES IN NEWARK MAINTAINED THE EXCELLENT PROGRESS OF RECENT PRE-WAR YEARS.

*Charles J. Craster*

M.D., D.P.H.  
HEALTH OFFICER

NEWARK, N.J., JUNE 1946.

CITY OF NEWARK, NEW JERSEY  
FIVE CITY COMMISSIONERS (ELECTED FOR 4 YRS)  
ALL CITY FUNDS, ORDINANCES, APPOINTMENTS &C

NEWARK HEALTH DEPARTMENT  
ORGANIZATION  
ALL EMPLOYEES-CIVIL SERVICE

ONE OF THESE  
DIRECTOR OF PUBLIC AFFAIRS  
HAS CHARGE OF  
HOSPITALS - HEALTH - RELIEF, ETC.

DEPARTMENT ENFORCES  
STATE LAWS AND  
LOCAL ORDINANCES ON HEALTH

HEALTH DEPT.

HEALTH OFFICER  
EXECUTIVE HEAD

EXECUTIVE DIVISION  
ADMINISTRATION, VITAL  
STATISTICS, EDUCATION,  
MAINTENANCE, ETC.

LABORATORIES  
CHEMICAL, BACTERIOLOGICAL, SEROLOGICAL  
SERVE ALL DIVISIONS

DISPENSARY CLINICS  
TREATMENT OF INDIGENT PATIENTS

INFANT & CHILD HEALTH

SANITATION

PAROCHIAL  
SCHOOL  
MED. INSP.  
HEALTH EDUC.

CHILD  
HYGIENE  
DIV.

DISEASE CONTROL

FOOD & DRUG  
CONTROL  
DIV.

MEAT  
INSPECTION  
DIV.

INDUSTRIAL  
HYGIENE  
DIV.

PLUMBING  
DIV.  
NEW  
PLUMBING

SANITARY  
DIV.  
ENVIRONMENTAL  
SANITATION,  
DOG CONTROL &C

BABY  
KEEP-WELL  
STATIONS

COMMUNICABLE  
DISEASE  
DIV.

TUBERCULOSIS  
DIV.  
CONTROL &  
CLINICS

VENEREAL  
DISEASE  
DIV.  
CONTROL &  
CLINICS

OCCUPATIONAL  
CLINIC  
DOMESTICS-  
FOODHANDLERS  
SPEC. GROUPS

# HEALTH REPORT - 1945

NEWARK, N.J.

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# HEALTH REPORT--1945

## NEWARK - N J

CHARLES V. CRASTER, M.D., D.P.H. -- HEALTH OFFICER



TO HONORABLE JOHN A. BRADY, DIRECTOR OF PUBLIC AFFAIRS

AND TO THE CITIZENS OF NEWARK, N. J.

## THE HEALTH STORY OF 1945

### INTERESTING DEVELOPMENTS

IN THIS, MY 30TH ANNUAL REPORT AS HEALTH OFFICER, I AM PLEASED TO STATE THAT HEALTH CONDITIONS CONTINUED EXCELLENT DURING 1945. SOME MORTALITY RATES HAVE SET NEW LOW RECORDS SUCH AS TUBERCULOSIS AND PNEUMONIA AND THERE WAS NOT A SINGLE CASE OR DEATH FROM DIPHTHERIA DURING THE YEAR. OTHER CONDITIONS WHICH HAD BEEN EXPECTED TO SHOW A DEFINITE INCREASE DUE TO WAR-TIME STRESS AND STRAIN HAVE CONTINUED AT AN EXCEEDINGLY LOW RATE SUCH AS INFANT MORTALITY AND DEATHS FROM ALL CAUSES.

#### IMMUNIZATION

OUR PROGRAM FOR IMMUNIZATION OF PRE-SCHOOL CHILDREN AGAINST DIPHTHERIA AND WHOOPING COUGH CONTINUED WITH SUCH SUCCESS THAT WE ARE ABLE TO MAINTAIN OUR ALMOST COMPLETE PROTECTION AGAINST DIPHTHERIA AND TO INCREASE THE PROPORTION OF CHILDREN PROTECTED AGAINST WHOOPING COUGH. THIS IS GREATLY AIDED BY THE USE OF MATERIAL COMBINED FOR BOTH DIPHTHERIA AND WHOOPING COUGH. OUR PROCEDURE IN THE BABY STATIONS IS TO GIVE THREE COMBINED INJECTIONS ONE MONTH APART AND ON THE THIRD VISIT TO ALSO VACCINATE FOR SMALLPOX. THUS IN THREE VISITS A CHILD GETS PROTECTION AGAINST THREE DISEASES. THE INJECTION IS 1 CC ALUM DIPHTHERIA TOXOID AND 10 BILLION KILLED PERTUSSIS BACILLI. DURING THE YEAR, 3,121 CHILDREN WERE IMMUNIZED AGAINST DIPHTHERIA ALONE, AND 1,579 FOR WHOOPING COUGH ALONE. ALL OF THESE WERE BY PRIVATE PHYSICIANS. WHEN THE 6,015 CHILDREN GIVEN SIMULTANEOUS PROTECTION FOR BOTH DISEASES AT HEALTH CLINICS ARE ADDED TO THE NUMBER TREATED FOR EACH DISEASE SEPARATELY, WE FIND THAT 7,594 WERE PROTECTED AGAINST WHOOPING COUGH AND 9,136 FOR DIPHTHERIA. THERE WERE ALSO 5,994 PRE-SCHOOL CHILDREN VACCINATED FOR SMALLPOX. WE ARE PLEASED TO REPORT THAT PRIVATE PHYSICIANS ARE ACTIVELY COOPERATING IN THIS EFFORT AND DURING THE YEAR, MADE 10,018 IMMUNIZATIONS AND VACCINATIONS COMPARED WITH 6,691 AT HEALTH CLINICS. APPROXIMATELY 20,000 CHILDREN HAVE BEEN INJECTED IN THE PAST THREE YEARS WITH WHOOPING COUGH MATERIAL AND IT IS REASONABLE TO ESTIMATE THAT 40% OF OUR PRE-SCHOOL POPULATION HAS BEEN SO TREATED. ON THIS ESTIMATE, OUR PREVALENCE RATE WAS FIVE CASES PER THOUSAND AMONG PROTECTED CHILDREN AND 16 CASES PER THOUSAND AMONG UNPROTECTED CHILDREN, ALTHOUGH NEW-BORN BABIES HAVE CONSIDERABLE RESISTANCE TO SUCH DISEASES AS MEASLES, DIPHTHERIA AND SCARLET FEVER LASTING FOR A FEW MONTHS AFTER BIRTH, THIS IS NOT TRUE OF WHOOPING COUGH. THE DEPARTMENT IS CONSIDERING EXPANDING ON WHOOPING COUGH EFFORTS TO INCLUDE IMMUNIZATION OF EXPECTANT MOTHERS, AS SOME ENCOURAGING RESEARCH HAS INDICATED THAT SUCH IMMUNIZATION INCREASES CIRCULATING ANTIBODIES IN THE BLOOD OF NEW-BORN.

#### TUBERCULOSIS - X-RAY PROGRAM

CONSIDERABLE PROGRESS HAS BEEN MADE IN OUR EFFORT TO SECURE CHEST EXAMINATIONS OF THE GREATEST POSSIBLE NUMBER, ESPECIALLY SUCH GROUPS AS FOOD HANDLERS, DOMESTICS, INDUSTRIAL WORKERS AND DISPENSARY PATIENTS. DURING THE YEAR 25,154 4"x5" FILMS WERE MADE AND 2,106 OF THE 14"x17" FILMS WHICH ARE ALWAYS MADE WHENEVER THE SMALL PICTURE SEEMS POSITIVE OR EVEN SLIGHTLY SUSPICIOUS. TO SAVE TIME, WHICH LIMITS NUMBER OF SUCH X-RAYS IN GROUP TESTS, WE INTEND TO TEST VALUE OF SUCH 4"x5" FILMS, REMOVING ONLY OUTER EASILY REMOVED COATS, ETC. AND, OF COURSE, METAL OBJECTS ON OR NEAR CHEST. WE UNDERSTAND RECENT TRIALS INDICATE CONSIDERABLE TIME SAVINGS, THUS MORE TESTS PER SESSION AND NO DECREASE IN EFFICIENCY. THIS WOULD NOT APPLY, OF COURSE, TO LARGE X-RAY PICTURES FOR CONFIRMATION OR OF ACTUAL PATIENTS. TWENTY POSITIVE CASES WERE DISCOVERED AND PLACED UNDER TREATMENT. WE BELIEVE THAT ONLY THROUGH MASS X-RAY PROGRAMS CAN WE FURTHER REDUCE OUR TUBERCULOSIS MORTALITY WHICH REACHED 55.8 IN 1945, THE LOWEST EVER RECORDED. THIS IS ONLY ONE-QUARTER OF THE RATE WHICH PREVAILED THIRTY YEARS AGO, WHEN THE DEPARTMENT STARTED ITS ACTIVE CONTROL PROGRAM.

PSITTACOSIS

AN INTERESTING DEVELOPMENT DURING THE YEAR WAS THE FACT THAT MANY TRANSIENT, OWNERLESS PIGEONS, PARTICULARLY THOSE FREQUENTING DOWNTOWN PARKS AND BUILDINGS, WERE PROVEN TO BE INFECTED WITH PSITTACOSIS. BLOOD TESTS WERE MADE FROM 23 SUCH PIGEONS AND LABORATORY EXAMINATIONS BY THE ROCKEFELLER FOUNDATION SHOWED THAT 15 OR 65% WERE POSITIVE FOR THIS BIRD DISEASE. INASMUCH AS SUCH PIGEONS HAVE LONG BEEN A SANITARY NUISANCE AND HAVE NO VALUE EXCEPT FOR THE PLEASURE IT AFFORDS SOME ELDERLY PEOPLE AND CHILDREN WHO FEED THEM, THE DEPARTMENT MADE PLANS TO TRAP AND EXTERMINATE THEM EARLY IN 1946. LEGAL OPINION WAS SECURED TO SHOW THAT EVIDENCE OF DISEASE AMONG THE BIRDS JUSTIFIED THE DEPARTMENT IN TAKING SUCH A STEP. A SIMILAR SITUATION IN PHILADELPHIA DURING THE YEAR WAS DECIDED AND THE COURT UPHOLD THE HEALTH DEPARTMENT. PSITTACOSIS IS NOT COMMON AMONG HUMANS BUT THE LITERATURE SHOWS THAT THERE HAVE BEEN MANY SUCH CASES AND THAT THE FATALITY RATE AMONG HUMANS IS QUITE HIGH.

GENERAL MORTALITY

DEATHS FOR THE YEAR 1945 FROM ALL CAUSES TOTALED 5,292 OR A DEATH RATE OF 11.6 PER THOUSAND, BASED ON A POPULATION OF 443,000. THIS COMPARES FAVORABLY WITH THE RATE OF 11.5 IN 1944 AND 12.6 IN 1943. THE RATE FOR 1940-1944 INCLUSIVE WAS 11.9. DURING THE YEAR, THERE WERE 739 NEGRO DEATHS OR A RATE OF 14.8 ON AN ESTIMATED POPULATION OF 50,000. THIS ALSO COMPARES WELL WITH THE RECORD LOW MORTALITY OF 14.1 IN 1944. THIS FIGURE INCLUDES ALL DEATHS WITHIN THE CITY LIMITS. AS NEWARK IS A HOSPITAL CENTER SERVING MANY NEARBY COMMUNITIES, THE NON-RESIDENT DEATHS IN THE CITY EXCEED THE DEATHS OF NEWARKERS DYING ELSEWHERE. SUBTRACTING 857 NON-RESIDENT DEATHS AND ADDING 151 NEWARKERS KNOWN TO HAVE DIED ELSEWHERE, WE HAVE AN ADJUSTED TOTAL OF 4,586 AND AN ADJUSTED RATE OF 10.4 PER 1,000. THIS IS EXACTLY THE NORMAL FOR THE PAST 11 YEARS

CRUDE AND ADJUSTED DEATH RATES \*

| YEAR | POPULATION * | CRUDE DEATHS | CRUDE DEATH RATE | ADJUSTED DEATHS | ADJUSTED DEATH RATE |
|------|--------------|--------------|------------------|-----------------|---------------------|
| 1935 | 455,000      | 4,806        | 10.6             | 4,411           | 9.7                 |
| 1936 | 457,000      | 5,108        | 11.2             | 4,714           | 10.3                |
| 1937 | 458,000      | 5,061        | 11.0             | 4,600           | 10.1                |
| 1938 | 458,000      | 5,116        | 10.9             | 4,480           | 9.8                 |
| 1939 | 459,000      | 4,855        | 10.6             | 4,384           | 9.6                 |
| 1940 | 429,000      | 5,025        | 11.7             | 4,762           | 11.1                |
| 1941 | 429,000      | 5,127        | 11.6             | 4,415           | 10.3                |
| 1942 | 429,000      | 5,256        | 11.9             | 4,659           | 10.8                |
| 1943 | 440,000      | 5,702        | 12.6             | 5,043           | 11.5                |
| 1944 | 440,000      | 5,201        | 11.5             | 4,535           | 10.3                |
| 1945 | 443,000      | 5,292        | 11.6             | 4,586           | 10.4                |

\* OVER-ESTIMATION OF POPULATION AS SHOWN BY THE 1940 CENSUS NATURALLY MADE 1938 AND 1939 ESTIMATED RATES MUCH LOWER THAN IF POPULATION ESTIMATE HAD BEEN CORRECT.

PRINCIPAL CAUSES OF DEATH

THE OUTSTANDING CAUSE OF DEATH AS IT HAS BEEN FOR MANY YEARS, WAS ORGANIC HEART DISEASE WITH 1,764 DEATHS. THIS CONTINUED THE PROBABLY TEMPORARY DOWNWARD TREND WHICH STARTED THE LATTER PART OF 1943 IN WHICH YEAR THE RECORD HIGH WAS ESTABLISHED WITH 1,975 HEART DISEASE DEATHS. THE 1,764 HEART DEATHS FORMED APPROXIMATELY ONE-THIRD OF ALL DEATHS. THE NEXT HIGHEST CAUSES WERE CANCER WITH 708 AND APOPLEXY, 486. TUBERCULOSIS, FORMERLY A LEADING CAUSE OF DEATH, FELL TO 247, THE LOWEST SUCH DEATHS EVER RECORDED IN THE CITY.

THE CAUSE OF DEATH NOT MENTIONED AMONG THE LEADERS WAS PNEUMONIA, (ALL FORMS) OF WHICH THERE WERE 216 DEATHS DURING THE YEAR. THIS IS THE LOWEST EVER RECORDED EXCEPT FOR 1940 WHEN THERE WERE 194 SUCH DEATHS. ALTHOUGH THE REPORTED CASES OF PNEUMONIA ALSO SET A LOW TOTAL OF 1,277, THE PROPORTION OF DEATHS WAS EVEN LOWER, PROBABLY DUE TO THE EFFICIENCY AND MORE GENERAL USE OF SULFA DRUGS AND PENICILLIN.

ACCIDENTAL DEATHS

THE 271 ACCIDENTAL DEATHS APPROXIMATED THE TOTAL OF 270 IN 1944 AND IS WELL BELOW THE TOTAL OF 304 IN 1943. OF THESE DEATHS, 55 WERE DUE TO AUTOMOBILE ACCIDENTS. THIS IS NEXT TO THE LOWEST FOR SUCH DEATHS RECORDED IN THE PAST 20 YEARS COMPARED WITH 77 LAST YEAR AND 90 IN 1943. THE FOLLOWING TABLE GIVES THE PRINCIPAL CAUSES OF ACCIDENT DEATHS FOR THE PAST NINE YEARS:

# ACCIDENTAL DEATHS BY PRINCIPAL CAUSES

|                                     | 1945 | 1944 | 1943 | 1942 | 1941 | 1940 | 1939 | 1938 | 1937 |
|-------------------------------------|------|------|------|------|------|------|------|------|------|
| TOTAL - - - - -                     | 271  | 270  | 304  | 271  | 235  | 258  | 226  | 268  | 343  |
| AUTOMOBILE AND MOTORCYCLE - - - - - | 57   | 77   | 90   | 76   | 69   | 73   | 73   | 62   | 130  |
| ACCIDENTAL FALLS - - - - -          | 107  | 92   | 87   | 99   | 100  | 83   | 81   | 101  | 102  |
| ACCIDENTAL BURNS - - - - -          | 13   | 14   | 19   | 13   | 16   | 9    | 16   | 20   | 15   |
| ASPHYX - BED CLOTHES - - - - -      | 9    | 3    | 6    | 9    | 6    | 6    | 9    | 5    | 4    |
| ALCOHOLISM - - - - -                | 5    | 9    | 8    | 5    | 4    | 7    | 5    | 6    | 1    |
| POISON - - - - -                    | 3    | 0    | 0    | 0    | 4    | 4    | 5    | 4    | 2    |
| CRUSHING - - - - -                  | 8    | 2    | 2    | 7    | 7    | 6    | -    | -    | 2    |
| CONFLAGRATION - - - - -             | 11   | 9    | 9    | 4    | 3    | 13   | 1    | 10   | 4    |
| DROWNING - - - - -                  | 4    | 5    | 13   | 11   | 3    | 10   | 9    | 12   | 18   |
| ELECTROCUTION - - - - -             | 1    | 2    | 1    | 1    | 1    | 2    | 0    | 3    | 5    |
| ELEVATOR - - - - -                  | 1    | 1    | 0    | 0    | 1    | 1    | 1    | 0    | 0    |
| HEAT EXHAUSTION - - - - -           | 1    | 7    | 4    | 1    | 3    | 2    | 2    | 5    | 8    |
| ILLUMINATING GAS - - - - -          | 23   | 26   | 23   | 16   | 6    | 13   | 4    | 18   | 14   |
| RAILROAD - - - - -                  | 5    | 5    | 6    | 12   | 2    | 7    | 1    | 5    | 9    |
| TROLLEY - - - - -                   | 1    | 0    | 3    | 0    | 0    | 0    | 0    | 0    | 1    |
| MISCELLANEOUS - - - - -             | 22   | 16   | 33   | 17   | 10   | 22   | 19   | 17   | 18   |

## INFANT MORTALITY

DURING THE YEAR THERE WERE 190 INFANT DEATHS AND A RATE OF 34.7 PER THOUSAND BIRTHS. THIS IS SOMEWHAT HIGHER THAN THE PREVIOUS FOUR YEARS, PARTICULARLY THE RECORD FOR RATE OF 29.1 IN 1942. IT IS, HOWEVER, A LOWER INCREASE THAN HAD BEEN ANTICIPATED WITH THE WAR CONDITIONS AND MANY MOTHERS WORKING IN DEFENSE PLANTS, AND IS LOWER THAN ANY RATE PRIOR TO 1940. IT IS LESS THAN HALF THE RATE OF 25 YEARS AGO.

## LATELY BORN INFANTS

THERE WERE 8 DEATHS IN 1945 DUE TO CHILD-BIRTH OR A RATE OF 1.5 PER THOUSAND DELIVERIES. ALTHOUGH THIS IS AN EXCELLENT RECORD COMPARED WITH PRE-WAR RATES IT IS DOUBLE THE EXPERIENCE OF 1944 WHEN WE HAD THE LOWEST SUCH DEATHS (0) AND THE LOWEST RATE EVER RECORDED. LESS THAN 20 YEARS AGO, THE RATE WAS FOUR TIMES AS HIGH WITH AN AVERAGE OF 70 PER THOUSAND DEATHS ANNUALLY. THE INCREASE OVER LAST YEAR'S ENTIRELY COVERED BY 4 SILENT KILLER DEATHS AND 5 DUE TO POST-PARTUM HEMORRHAGE OF WHICH CAUSES WE HAD NONE IN 1944.

## MATERNAL DEATHS BY CAUSES

|   | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 |
|---|------|------|------|------|------|------|------|
| TOTAL DEATHS - - - - -                              | 30   | 29   | 26   | 22   | 18   | 9    | 18   |
| PUERPERAL SEPTICAEMIA - - - - -                     | 5    | 2    | 5    | 2    | 4    | 0    | 4    |
| ECTOPIC PREGNANCY - - - - -                         | 1    | 2    | 2    | 2    | -    | 2    | 3    |
| CAESARIAN SECTION - - - - -                         | 3    | 8    | 1    | 3    | 3    | -    | -    |
| SELF-INDUCED ABORTION - - - - -                     | 5    | -    | -    | -    | -    | -    | -    |
| SPONTANEOUS ABORTION - - - - -                      | 3    | -    | 3    | 2    | -    | -    | -    |
| ECLAMPSIA - - - - -                                 | 2    | 2    | 5    | 1    | 2    | 1    | 2    |
| OTHER ACCIDENTS OF PREGNANCY - - - - -              | 8    | -    | -    | -    | 4    | -    | 2    |
| PLACENTA PRAEVIA - - - - -                          | -    | 2    | 2    | -    | 0    | 1    | 2    |
| POST PARTUM HEMORRHAGE - - - - -                    | 2    | 4    | 2    | 4    | 2    | -    | 5    |
| ACCIDENTAL ABORTIONS - - - - -                      | 1    | 4    | -    | -    | -    | -    | -    |
| SHOCK FORCE DELIV. BREECH PRESENT, - - - - -        | -    | 3    | 1    | -    | 1    | -    | -    |
| TOXEMIA OF PREGNANCY - - - - -                      | -    | 2    | 3    | -    | -    | -    | -    |
| ABORTION ON (NOW CLASSIFIED AS PUERPERAL) - - - - - | -    | -    | 2    | 2    | 1    | 1    | -    |
| CARDIAC FAILURE PREGNANCY - - - - -                 | -    | -    | -    | 4    | -    | 3    | -    |
| LOBAR PNEUMONIA - - - - -                           | -    | -    | -    | 1    | -    | -    | -    |
| PULMONARY EMBOLISM - - - - -                        | -    | -    | -    | 1    | 1    | -    | -    |

MATERNAL MORTALITY PER 1,000 DELIVERIES - - - - - 3.7 3.3 2.6 1.8 1.5 0.8 1.5

## BIRTH STATISTICS

BIRTH RATE - 25.4

THERE WERE 11,254 BIRTHS OR A RATE OF 25.4 IN 1945 COMPARED WITH 10,792 OR A RATE OF 24.5 LAST YEAR. THE BIRTH RATE REACHED A RECORD LOW OF 15.8 WITH 7,236 BIRTHS IN 1936. IT THEN RAPIDLY INCREASED TO A RECORD HIGH OF 28.0 AND 12,016 BIRTHS IN 1942. AFTER DECLINING FOR TWO YEARS, IT STARTED THE PRESENT UPWARD TREND LATE IN 1944. THE FOLLOWING TABLE ILLUSTRATES THE GREATER PROPORTION OF DELIVERIES NOW BEING CARRIED OUT IN HOSPITALS, AS WELL AS THE DECREASE IN THE USE OF MIDWIVES. LESS THAN 30 YEARS AGO, APPROXIMATELY 50% OF ALL NEWARK BABIES WERE DELIVERED BY MIDWIVES, COMPARED WITH THE PRESENT-DAY RATE OF APPROXIMATELY 1%.

### BIRTHS DATA 1945

|              |        |        |       |              |     |
|--------------|--------|--------|-------|--------------|-----|
| TOTAL BIRTHS | 11,254 | WHITE  | 9,857 | STILLBIRTHS  | 276 |
| MALES        | 5,854  | COLOR  | 1,393 | ILLEGITIMATE | 428 |
| FEMALES      | 5,400  | YELLOW | 4     |              |     |

| YEAR | TOTAL BIRTHS | BIRTH RATE | PHYSICIAN DEL. | AT HOME | HOSPITAL DELIV. | MIDWIFE DEL. | AT HOME |
|------|--------------|------------|----------------|---------|-----------------|--------------|---------|
| 1945 | 11,254       | 25.4       | 273            |         | 10,867          |              | 114     |
| 1944 | 10,792       | 24.5       | 330            |         | 10,306          |              | 156     |
| 1943 | 11,856       | 26.9       | 432            |         | 11,230          |              | 194     |
| 1942 | 12,016       | 28.0       | 376            |         | 11,479          |              | 161     |
| 1941 | 9,765        | 22.8       | 385            |         | 9,282           |              | 158     |
| 1940 | 8,538        | 19.9       | 401            |         | 7,952           |              | 185     |
| 1939 | 7,950        | 17.3       | 401            |         | 7,315           |              | 234     |
| 1938 | 7,936        | 17.3       | 546            |         | 7,106           |              | 283     |
| 1937 | 7,659        | 16.7       | 603            |         | 6,682           |              | 374     |
| 1936 | 7,236        | 15.8       | 778            |         | 6,025           |              | 433     |
| 1935 | 7,638        | 16.8       | 1,047          |         | 6,076           |              | 515     |

## NEGRO HEALTH STATISTICS

THE ESTIMATED NEGRO POPULATION OF NEWARK IS 50,000 OR APPROXIMATELY 1% OF THE TOTAL. ALTHOUGH THE VARIOUS MORTALITY RATES IN THIS GROUP ARE RATHER HIGH, THE NATURAL RESULT OF ECONOMIC, EDUCATIONAL AND HOUSING HANDICAP, A STUDY OF THE VARIOUS RATES FOR THE PAST TEN YEARS IS RATHER ENCOURAGING. THE FETTERED BIRTH RATE, FOR EXAMPLE, HAS DECREASED FROM 388 PER HUNDRED THOUSAND TEN YEARS AGO, TO 230 IN 1945, A REDUCTION OF 40%, AND INFANT MORTALITY IN THOSE FEW YEARS HAS FALLEN FROM 89.5 TO 55.3 PER THOUSAND LIVING BIRTHS, OR A REDUCTION OF APPROXIMATELY 39%. IT IS ENCOURAGING TO NOTE THAT ONLY 2 PUERPERAL SEPTICEMIA DEATHS HAVE OCCURRED IN THE PAST FOUR YEARS AMONG 5,208 BIRTHS.

### NEGRO HEALTH STATISTICS

| YEAR | DEATHS | DEATH RATE | BIRTHS | BIRTH RATE | FETTERED BIRTHS | FETTERED BIRTH RATE | INFANT DEATHS | INFANT M. RATE | MATERNAL DEATHS | OTHER DEATHS | RATE PER M. DEL. |
|------|--------|------------|--------|------------|-----------------|---------------------|---------------|----------------|-----------------|--------------|------------------|
| 1936 | 789    | 18.8       | 883    | 21.0       | 163             | 388.1               | 79            | 89.5           | 2               | 8            | 9.1              |
| 1937 | 618    | 14.4       | 846    | 19.7       | 112             | 360.5               | 52            | 61.6           | 3               | 5            | 6.0              |
| 1938 | 690    | 16.0       | 997    | 23.2       | 31              | 304.7               | 62            | 62.2           | 1               | 4            | 4.0              |
| 1939 | 630    | 14.3       | 965    | 21.9       | 117             | 365.9               | 72            | 74.6           | 1               | 8            | 8.3              |
| 1940 | 695    | 15.4       | 1013   | 23.2       | 138             | 306.6               | 74            | 70.9           | 1               | 10           | 10.0             |
| 1941 | 662    | 14.7       | 1070   | 23.8       | 119             | 264.4               | 67            | 62.6           | 2               | 5            | 5.2              |
| 1942 | 72     | 16.0       | 247    | 27.5       | 125             | 277.7               | 69            | 54.5           | 0               | 1            | 1.0              |
| 1943 | 729    | 15.2       | 1242   | 25.9       | 117             | 243.9               | 74            | 59.5           | 1               | 4            | 3.0              |
| 1944 | 679    | 14.1       | 1326   | 27.6       | 119             | 247.8               | 76            | 57.3           | 0               | 2            | 1.6              |
| 1945 | 739    | 14.8       | 1393   | 27.9       | 115             | 230.0               | 77            | 55.3           | 1               | 3            | 2.1              |

## CONTAGIOUS DISEASE

CHICKENPOX WAS THE ONLY CHILDHOOD CONTAGION SHOWING PARTICULAR PREVALENCE DURING THE YEAR. THERE WERE 9,439 SUCH CASES COMPARED WITH AN 11-YEAR NORMAL OF 2,630. MOST SUCH DISEASES CONTINUED AT AN EXTREMELY LOW POINT PARTICULARLY MEASLES WITH 19 CASES, THE LOWEST EVER RECORDED.

### TYPHOID OUTBREAK

TYPHOID FEVER, WHICH HAS BECOME A RARITY IN THIS CITY EXCEPT FOR A FEW CASES ACQUIRED ON VACATION EACH SUMMER AND FALL, MADE ITS APPEARANCE EARLY IN AUGUST WITH FIVE CASES REPORTED OVER THE FIRST WEEKEND. THREE OF THE FIVE GAVE A HISTORY OF STAYING AT ONE MOTEL IN A SHORE TOWN. IN THE NEXT FEW DAYS, SEVERAL MORE CASES GAVE A SIMILAR HISTORY. WITHIN THREE DAYS AFTER THE FIRST REPORT, THE STATE HEALTH DEPARTMENT, INFORMED ATLY NOTIFIED BY US, HAD CLOSED THE MOTEL. EVENTUALLY, NEWARK HAD NINE CASES AND WE UNDERSTAND NEW YORK CITY 14, AND SEVERAL OTHER COMMUNITIES HAD CASES ALL TRACED TO THE SAME MOTEL. A LOOK WAS FOUND TO HAVE 10 OF THE PLACES WHO WAS NOT SICK, AND WAS APPARENTLY THE CASE OR CARRIER CAUSING THE OUTBREAK. HE IS NOW UNDER SUPERVISION OF THE HEALTH DEPARTMENT OF A CITY WHERE MEASLES IS NOT IN NEW ARISE. OF INTEREST ON TYPHOID, WE HAD TWO OTHER CASES NOT ACQUIRED THERE BUT WHO GAVE A HISTORY OF DRINKING RAW MILK ON A FARM IN PENNSYLVANIA. NEWARKERS SHOULD NOT ONLY BE SURE OF ANY WATER SUPPLY WHERE THEY VISIT, BUT SHOULD NOT DRINK RAW MILK.

### MALARIA

THERE WERE 66 CASES OF MALARIA REPORTED DURING THE YEAR, OF WHICH 70 WERE SOLDIERS UNDERGOING TREATMENT AT THE PORT NEWARK ARMY HOSPITAL. THE OTHER 16 CASES AMONG NEWARK RESIDENTS WERE ALL RECENTLY RETURNED OVERSEAS VETERANS. NO CASE WAS REPORTED WHERE INFECTION COULD HAVE BEEN ACQUIRED IN THE CITY. THIS DISEASE HAS BEEN ENTIRELY ABSENT IN NEWARK FOR MANY YEARS. DUE TO THE FACT THAT MOSQUITOES CAPABLE OF TRANSMITTING MALARIA ARE PREVALENT TO SOME EXTENT IN NORTH JERSEY, HOWEVER, THE PRESENCE OF RETURNING CASES CAN EASILY BECOME A MAJOR PROBLEM. TRAINING IN THE MOST MODERN DIAGNOSTIC METHODS IS ESSENTIAL AND HAS BEEN OBTAINED FOR OUR PHYSICIAN IN CHARGE OF THE WORK AND THROUGH HIM, FOR OUR LABORATORY TECHNICIANS NOT ONLY IN THE CASE OF MALARIA, BUT ALSO FOR OTHER TROPICAL DISEASES. OUR LABORATORY HAS BEEN ALTERED AND EXPANDED TO HANDLE SUCH TESTS.

### EPIDEMIC MENINGITIS

EPIDEMIC MENINGITIS, A NOTORIOUS WAR-TIME DISEASE, USUALLY QUITE FATAL, WAS NOT AS SEVERE AS DURING WORLD WAR I, 917 TO 519. NEWARK HAD 710 CASES, 110 DEATHS, MORE THAN 50% FATAL. IN THE PAST THREE YEARS, WE HAVE HAD 304 CASES AND 55 DEATHS, A FATALITY RATE OF LESS THAN 18%. FIFTY OF THE 304 CASES AND 11 DEATHS WERE IN 1945 COMPARED WITH 119 AND 7 DEATHS IN 1944, AND 136 AND 27 DEATHS IN 1943.

### TABLE SHOWING DECREASES

THE FOLLOWING TABLE SHOWS THE DISEASES WHICH HAD EITHER AN INCREASE OR DECREASE IN 1945 COMPARED WITH 1944 AND WITH THE 11-YEAR NORMAL FOR EACH.

THE DISEASES SHOWING DECREASES DURING 1945 INCLUDE THE FOLLOWING:

|                               | 1944 | 1945 | 11-YR. NORMAL |
|-------------------------------|------|------|---------------|
| TUBERCULOSIS . . . . .        | 585  | 495  | 645           |
| MEASLES . . . . .             | 3142 | 191  | 4259          |
| Mumps . . . . .               | 2304 | 358  | 1040          |
| GERMAN MEASLES . . . . .      | 489  | 263  | 379           |
| EPIDEMIC MENINGITIS . . . . . | 118  | 52   | 8             |
| SCARLET FEVER . . . . .       | 642  | 604  | 645           |

THE FOLLOWING SHOWED INCREASES:

|                               |      |      |      |
|-------------------------------|------|------|------|
| PNEUMONIA (L & B) . . . . .   | 1274 | 1277 | 1831 |
| TYPHOID FEVER . . . . .       | 3    | 18   | 8    |
| WHOOPING COUGH . . . . .      | 294  | 765  | 1510 |
| INFLUENZA . . . . .           | 75   | 109  | 236  |
| CHICKENPOX . . . . .          | 3252 | 3439 | 2630 |
| INFANTILE PARALYSIS . . . . . | 29   | 50   | 13   |
| MALARIA . . . . .             | 56   | 86   | 2    |

## EXECUTIVE DIVISION

ROBERT F. MORGAN, ASST. HEALTH OFFICER -- DR. AARON H. HASKIN, MEDICAL INVESTIGATOR

THE EXECUTIVE DIVISION PROVIDES THE GENERAL ADMINISTRATIVE FUNCTIONS OF THE DEPARTMENT FOR THE HEALTH OFFICER. THIS INCLUDES ACCOUNTING; VITAL STATISTICS; PUBLICITY AND HEALTH EDUCATION; PERSONNEL RECORDS AND ASSIGNMENT; CLEANING AND MAINTENANCE; PRINTING AND MULTIGRAPHING; MONTHLY AND ANNUAL REPORTS AND PAROCHIAL SCHOOL MEDICAL INSPECTION.

### PAROCHIAL SCHOOL MEDICAL INSPECTION

ANN REILLY, R.N., SUPERVISING NURSE

MEDICAL INSPECTION AND HEALTH EDUCATION OF SCHOOL CHILDREN IS SUPPLIED IN THE PUBLIC SCHOOLS BY THE BOARD OF EDUCATION. THIS VITAL WORK FOR 11,445 PAROCHIAL SCHOOL CHILDREN IN 29 SCHOOLS, IS PROVIDED BY OUR DEPARTMENT WITH A SUPERVISING NURSE AND AN ASST. SUPERVISING NURSE AND 4 SCHOOL NURSES. THEY ARE AIDED BY THE PHYSICIANS OF OUR VARIOUS DIVISIONS AND CLINICIANS. PHYSICIANS ROUTINELY EXAMINE ALL CHILDREN IN 1ST GRADE, 4TH GRADE AND 8TH GRADE.

### SUMMARY OF WORK

|                        | <u>DEFECTS</u> | <u>CURES</u> |                                   |       |
|------------------------|----------------|--------------|-----------------------------------|-------|
| TEETH - - - - -        | 9698           | 5848         | MENTAL BEHAVIOR - - - - -         | 20    |
| NOSE & THROAT - - - -  | 2942           | 1834         | EXCLUSIONS (VARIOUS CONDITIONS) - | 966   |
| EYE & EAR - - - - -    | 1784           | 1199         | VACCINATIONS - - - - -            | 310   |
| VERMIN & UNCLEAN - - - | 3766           | 2527         | SCHOOL TREATMENTS - - - - -       | 31328 |
| SKIN - - - - -         | 4943           | 3486         | CLASS INSPECTION & TALKS - - - -  | 6930  |
|                        |                |              | RE-INSPECTIONS - - - - -          | 39406 |
|                        |                |              | PHYSICAL EXAM. NURSE - - - - -    | 20498 |
|                        |                |              | " " DOCTOR - - - - -              | 6660  |
|                        |                |              | GENERAL HOME CALLS - - - - -      | 549   |
|                        |                |              | IMMUNIZED AGAINST DIPHTHERIA - -  | 100%  |

### BUREAU OF VISUAL HEALTH EDUCATION

PETER COVEN, SUPERVISOR

HEALTH EDUCATION HAS BEEN AIDED THROUGH THE MEDIUM OF MOTION PICTURES AND EXHIBITS OF WHICH THERE WERE 30 SHOWINGS DURING 1945 TO APPROXIMATELY 4000 PERSONS. THE ACTIVITIES OF THE HEALTH DEPARTMENT ARE FREQUENTLY PORTRAYED THROUGH THE USE OF MOTION PICTURE SLIDES WHICH VISUALIZE THE SPEAKER'S WORDS. THE GROUP CONTACT CLINICS AMONG INDUSTRIAL WORKERS, CLUB MEN AND WOMEN, CIVIC AND SERVICE CLUB, FRATERNAL ORGANIZATIONS, VETERAN ORGANIZATIONS, HOSPITAL STAFFS, NURSES AID GROUPS, YOUTH LEADERS, UNION ORGANIZATIONS, PAROCHIAL SCHOOL CHILDREN, HOLDING PROJECT TENANTS, PARENT-TEACHER UNITS, ETC.

### LEGAL WORK

HENRY KAPLAN, SANITARY INSPECTOR

HANDLING OF COURT CASES IS GREATLY AIDED BY THE SERVICES OF AN INSPECTOR WHO IS A QUALIFIED ANATOMIST. HE NOT ONLY COOPERATES WITH THE CITY LAW DEPARTMENT WHICH OFFICIALLY HANDLES ALL CITY WORK, BUT IS PRESENT AT ALL DIVISIONAL HEARINGS. EACH INSPECTIONAL DIVISION HOLDS WEEKLY HEARINGS BEFORE THE HEALTH OFFICER AT WHICH INSPECTOR AND INTERESTED INDIVIDUALS AND VIOLATORS ARE PRESENT. CASES ARE DISCUSSED AND DISPOSITION MADE BY THE HEALTH OFFICER. EXTENSIONS OF TIME ARE GRANTED IF WARRANTED. CASES REFERRED FOR COURT ACTION ARE GREATLY REDUCED BY THIS ARRANGEMENT. OUT OF 1,086 SUCH CASES DURING 1945, ONLY 275 WERE TAKEN TO COURT.

### MAINTENANCE

FRANK LAWSON, CUSTODIAN

CLEANING AND MAINTENANCE IS PROVIDED FOR THE MAIN BUILDING AND TWO NEARBY ANNEXES, AS WELL AS 22 OUTS OF CLINICS USED FOR BABY-KEEP-WELL STATIONS, TUBERCULOSIS EXAMINATIONS, PRE-NATAL CLINICS AND DENTAL CLINICS.

### FINANCE - VITAL STATISTICS

FRANK SHEA, ACCOUNTANT  
CORA N. KIMBALL, STATISTICAL CLERK

IMMEDIATELY FOLLOWING ARE THE FINANCIAL STATEMENT AND THE VITAL STATISTICS TABLES OF MAJOR PUBLIC HEALTH INTEREST:

# FINANCIAL STATEMENT - 1945

|                      |  |               |
|----------------------|--|---------------|
| <u>DISBURSEMENTS</u> | PERSONAL SERVICE - SALARIES . . . . .    | \$ 849,495.00 |
|                      | OTHER THAN PERSONAL SERVICE:             |               |
|                      | DRUGS AND SURGICAL SUPPLIES . . . . .    | \$ 18,022.00  |
|                      | RENTS, TAXES, ANNEXES, BABY STATIONS . . | 13,605.00     |
|                      | POSTAGE, POST CARDS, STAMPED ENVELOPES . | 7,100.70      |
|                      | TELEPHONE SWITCHBOARD SERVICES . . . . . | 4,900.00      |
|                      | COAL, LIGHT AND HEAT . . . . .           | 4,000.00      |
|                      | STATIONERY AND PRINTING . . . . .        | 4,750.00      |
|                      | LAUNDRY SERVICES . . . . .               | 2,400.00      |
|                      | EMERGENCY COAL SHORTAGE ADVERTISING . .  | 276.00        |
|                      | JANITOR SUPPLIES . . . . .               | 2,000.00      |
|                      | LABORATORY AND SURGICAL APPARATUS . . .  | 1,900.00      |
|                      | AUTOMOBILE AND MOTORCYCLE SUPPLIES . .   | 2,800.00      |
|                      | CARFARES, AUTOHIRE, CONVENTION EXPENSE . | 5,721.00      |
|                      | IN-SERVICE TRAINING - EMPLOYEES . . . .  | 1,544.70      |
|                      | LINENS AND UNIFORMS . . . . .            | 1,000.00      |
|                      | RENTAL OF BUSINESS MACHINES . . . . .    | 642.00        |
|                      | INSURANCE . . . . .                      | 714.20        |
|                      | MILK AND FOOD SAMPLES . . . . .          | 450.00        |
|                      | SCORING DAIRY EXPENSE . . . . .          | 300.00        |
|                      | LICENSE PLATES AND TAGS . . . . .        | 395.00        |
|                      | TOTAL . . . . .                          | \$ 922,014.20 |

|                      |                              |              |              |
|----------------------|------------------------------|--------------|--------------|
| <u>DISBURSEMENTS</u> |                              | SALARIES     | SUPPLIES     |
| <u>BY DIVISIONS</u>  | EXECUTIVE . . . . .          | \$ 87,798.00 | \$ 16,619.20 |
|                      | SANITARY . . . . .           | 80,613.00    | 4,275.00     |
|                      | INDUSTRIAL HYGIENE . . . . . | 40,626.00    | 1,570.00     |
|                      | OCCUPATIONAL . . . . .       | 30,769.00    | -            |
|                      | CONTAGIOUS . . . . .         | 59,841.00    | 2,640.00     |
|                      | PLUMBING . . . . .           | 36,219.00    | 450.00       |
|                      | PAROCHIAL . . . . .          | 30,344.00    | 300.00       |
|                      | FOOD AND DRUG . . . . .      | 86,128.00    | 3,192.50     |
|                      | TUBERCULOSIS . . . . .       | 32,456.00    | 430.00       |
|                      | VETERINARY . . . . .         | 36,990.00    | 1,920.00     |
|                      | VENEREAL . . . . .           | 78,683.00    | 6,435.00     |
|                      | DISPENSARY . . . . .         | 150,478.00   | 19,694.50    |
|                      | LABORATORY . . . . .         | 38,110.00    | 4,278.00     |
|                      | CHILD HYGIENE . . . . .      | 80,460.00    | 10,715.00    |
|                      | TOTAL . . . . .              | \$849,495.00 | \$ 72,519.20 |

|                 |  |          |
|-----------------|--|----------|
| <u>RECEIPTS</u> | PERMITS ANIMAL . . . . .                   | \$ .80   |
|                 | " CHICKEN . . . . .                        | 319.00   |
|                 | " CHICKEN SLAUGHTERHOUSE . . . . .         | 840.00   |
|                 | " PLUMBING . . . . .                       | 2,610.50 |
|                 | LICENSES ICE . . . . .                     | 408.00   |
|                 | " CR . . . . .                             | 4,478.00 |
|                 | " PLUMBING . . . . .                       | 2,420.00 |
|                 | " REFUSE . . . . .                         | 56.00    |
|                 | " LIVE POULTRY . . . . .                   | 80.00    |
|                 | FEES VETERINARY CARCASS INSPECTION . . . . | 1,475.30 |
|                 | " PLUMBERS EXAMINATION . . . . .           | 725.00   |
|                 | " BACTERIOLOGICAL EXAMINATION . . . . .    | 334.50   |
|                 | " OUT-OF-TOWN TREATMENT CLINICS . . . . .  | 157.00   |
|                 | " CASH SALES PRESCRIPTION BOTTLES . . . .  | 122.80   |
|                 | " TELEPHONE CALLS AND REFUNDS . . . . .    | 30.62    |
|                 | " CASH SALE POSTAGE STAMPS . . . . .       | 31.29    |
|                 | " CASH SALE DAIRY SCORE PADS . . . . .     | 31.00    |

DEPOSITED WITH CITY COMPTROLLER AS MISCELLANEOUS REVENUE, \$14,119.51

TO AID COAL SHORTAGE EMERGENCY, WE SOLD AND WERE PAID FOR 417 BUSHELS OF HARD COAL AND RECEIPTS WERE DEPOSITED WITH CITY COMPTROLLER AND CREDITED TO HEALTH DEPT. "COAL REVOLVING FUND" . . . . . \$269.80

FEES WERE RECEIVED FROM MILK PRODUCERS AND CREDITED TO A SPECIAL "DAIRY INSPECTION ACCOUNT". THESE RECEIPTS ARE USED BY MILK INSPECTORS FOR TRAVEL AND OTHER EXPENSE IN SUPERVISING NEWARK'S MILK SUPPLY . . . . . \$12,592.19

INTERESTING HEALTH TRENDS 1917-1945

| YEAR | DEATHS<br>UNDER<br>1 YR. | INFANT<br>MORTAL-<br>ITY | BIRTHS | BIRTH<br>RATE | C. A-<br>RRHOEA<br>DEATHS<br>UNDER<br>5 YRS. | T. B.<br>DEATHS | T. B.<br>DEATH<br>RATE | DIPHT-<br>HERIA<br>DEATHS | TYPHOID<br>DEATHS | BRIT. D.<br>DTHS | ORG.<br>MRT.<br>DTHS |
|------|--------------------------|--------------------------|--------|---------------|--|-----------------|------------------------|---------------------------|-------------------|------------------|----------------------|
| 1917 | 1931                     | 87.8                     | 11824  | 29.1          | 315  | 820             | 202.5                  | 50                        | 17                | 698              | 599                  |
| 1918 | 1215                     | 104.7                    | 11575  | 27.0          | 331  | 798             | 185.6                  | 81                        | 15                | 629              | 633                  |
| 1919 | 862                      | 76.2                     | 11297  | 25.7          | 295  | 637             | 144.8                  | 50                        | 9                 | 504              | 529                  |
| 1920 | 994                      | 84.7                     | 11734  | 28.3          | 244  | 540             | 130.4                  | 62                        | 8                 | 507              | 492                  |
| 1921 | 837                      | 71.5                     | 11705  | 27.5          | 210  | 446             | 104.9                  | 44                        | 12                | 417              | 510                  |
| 1922 | 825                      | 74.8                     | 10993  | 25.4          | 167  | 428             | 99.1                   | 73                        | 12                | 346              | 640                  |
| 1923 | 756                      | 68.0                     | 11110  | 25.3          | 133  | 406             | 92.5                   | 34                        | 11                | 340              | 727                  |
| 1924 | 746                      | 65.2                     | 11449  | 25.7          | 132  | 392             | 87.9                   | 39                        | 12                | 399              | 729                  |
| 1925 | 746                      | 68.7                     | 10852  | 24.0          | 129  | 378             | 83.4                   | 42                        | 5                 | 343              | 850                  |
| 1926 | 753                      | 71.9                     | 10460  | 22.7          | 128  | 421             | 91.5                   | 21                        | 7                 | 331              | 948                  |
| 1927 | 634                      | 63.3                     | 10010  | 21.5          | 82   | 387             | 82.9                   | 62                        | 6                 | 266              | 1019                 |
| 1928 | 626                      | 63.8                     | 9802   | 20.7          | 78   | 412             | 86.9                   | 95                        | 5                 | 298              | 1002                 |
| 1929 | 594                      | 59.6                     | 9975   | 20.7          | 52   | 441             | 91.8                   | 96                        | 9                 | 258              | 1047                 |
| 1930 | 512                      | 52.3                     | 9784   | 22.2          | 45   | 445             | 101.0                  | 48                        | 1                 | 244              | 1005                 |
| 1931 | 491                      | 52.3                     | 9506   | 21.4          | 36   | 412             | 92.4                   | 16                        | 2                 | 224              | 980                  |
| 1932 | 371                      | 42.3                     | 8746   | 19.4          | 16   | 360             | 80.0                   | 2                         | 4                 | 242              | 958                  |
| 1933 | 356                      | 45.1                     | 7897   | 17.6          | 18   | 368             | 85.8                   | 1                         | 2                 | 228              | 1091                 |
| 1934 | 342                      | 45.2                     | 7565   | 16.7          | 23   | 317             | 69.8                   | 1                         | 1                 | 227              | 1082                 |
| 1935 | 417                      | 54.6                     | 7638   | 16.8          | 24   | 316             | 69.4                   | 1                         | 0                 | 201              | 1118                 |
| 1936 | 332                      | 45.9                     | 7236   | 15.8          | 16   | 346             | 75.7                   | 0                         | 1                 | 214              | 1162                 |
| 1937 | 287                      | 37.6                     | 7659   | 16.7          | 32   | 301             | 65.8                   | 1                         | 0                 | 168              | 1158                 |
| 1938 | 310                      | 39.1                     | 7936   | 17.3          | 12   | 287             | 62.7                   | 1                         | 2                 | 149              | 1201                 |
| 1939 | 303                      | 38.1                     | 7950   | 17.3          | 20   | 277             | 60.3                   | 1                         | 4                 | 154              | 1240                 |
| 1940 | 300                      | 35.1                     | 8538   | 19.9          | 14   | 309             | 71.9                   | 0                         | 0                 | 124              | 1360                 |
| 1941 | 318                      | 32.6                     | 9765   | 22.8          | 13   | 274             | 63.9                   | 0                         | 0                 | 222              | 1530                 |
| 1942 | 352                      | 29.3                     | 12016  | 28.0          | 12   | 288             | 66.1                   | 0                         | 0                 | 223              | 1756                 |
| 1943 | 367                      | 30.9                     | 11856  | 26.9          | 15   | 294             | 66.8                   | 1                         | 0                 | 276              | 1975                 |
| 1944 | 375                      | 34.7                     | 10792  | 24.5          | 23   | 257             | 58.4                   | 0                         | 0                 | 271              | 1744                 |
| 1945 | 390                      | 34.7                     | 11254  | 25.4          | 10   | 247             | 59.9                   | 0                         | 2                 | 274              | 1764                 |

\*\* FOR NEO NATAL MORTALITY SEE "OTHER MORTALITY TRENDS"



## OTHER MORTALITY TRENDS SINCE 1894

| YEAR | POPULATION | CRUDE DEATHS | CRUDE DEATH RATE PER 1,000 | RATE PER 10,000 |               |            | INFANT MORTALITY RATES |                |             |
|------|------------|--------------|----------------------------|-----------------|---------------|------------|------------------------|----------------|-------------|
|      |            |              |                            | SCARLET FEVER   | TYPHOID FEVER | DIPHTHERIA | UNDER 1 MO.            | 1 TO 12 MONTHS | UNDER 1 YR. |
| 1894 | 203,923    | 4,543        | 22.28                      | 33.8            | 6.7           | -          |                        |                |             |
| 1895 | 215,725    | 4,615        | 21.37                      | 6.2             | 23.2          | 126.8      |                        |                |             |
| 1896 | 225,000    | 4,716        | 20.96                      | 7.6             | 20.9          | 96.9       |                        |                |             |
| 1897 | 230,000    | 4,010        | 17.43                      | 21.5            | 14.3          | 59.6       |                        |                |             |
| 1898 | 235,000    | 4,305        | 18.30                      | 6.4             | 17.4          | 56.6       |                        |                |             |
| 1899 | 240,000    | 3,537        | 14.73                      | 14.2            | 25.0          | 51.7       |                        |                |             |
| 1900 | 246,070    | 5,006        | 20.34                      | 22.4            | 20.3          | 58.1       |                        |                |             |
| 1901 | 250,000    | 4,806        | 19.22                      | 9.2             | 22.8          | 41.2       |                        |                |             |
| 1902 | 255,000    | 4,943        | 19.39                      | 16.0            | 8.4           | 44.2       |                        |                |             |
| 1903 | 266,000    | 4,923        | 18.50                      | 26.7            | 23.7          | 45.1       |                        |                |             |
| 1904 | 272,000    | 5,378        | 19.77                      | 44.1            | 4.7           | 56.1       |                        |                |             |
| 1905 | 283,239    | 5,025        | 17.74                      | 15.9            | 14.1          | 38.8       |                        |                |             |
| 1906 | 290,700    | 5,151        | 17.72                      | 11.7            | 17.2          | 34.1       |                        |                |             |
| 1907 | 300,000    | 5,724        | 19.08                      | 13.7            | 23.0          | 31.7       |                        |                |             |
| 1908 | 305,000    | 5,207        | 17.07                      | 29.2            | 11.5          | 21.6       |                        |                |             |
| 1909 | 311,000    | 5,529        | 17.77                      | 22.5            | 12.5          | 38.8       |                        |                |             |
| 1910 | 347,469    | 5,764        | 16.64                      | 11.2            | 12.7          | 29.9       |                        |                |             |
| 1911 | 352,000    | 5,337        | 15.16                      | 6.0             | 0.5           | 21.0       |                        |                |             |
| 1912 | 370,000    | 5,423        | 14.65                      | 3.0             | 7.0           | 24.6       |                        |                |             |
| 1913 | 380,000    | 5,562        | 14.63                      | 6.9             | 7.9           | 28.0       | 38.8                   | 54.2           | 93.0        |
| 1914 | 395,700    | 5,809        | 14.70                      | 6.8             | 6.6           | 10.4       | 36.9                   | 59.9           | 96.8        |
| 1915 | 375,000    | 5,382        | 14.30                      | 1.6             | 2.9           | 13.1       | 36.4                   | 48.9           | 85.3        |
| 1916 | 385,700    | 6,357        | 16.50                      | 1.8             | 6.0           | 4.8        | 38.0                   | 51.6           | 89.6        |
| 1917 | 405,000    | 6,205        | 15.30                      | 0.7             | 4.2           | 12.3       | 38.9                   | 48.9           | 87.8        |
| 1918 | 430,000    | 8,483        | 19.72                      | 2.6             | 3.5           | 19.1       | 39.3                   | 65.4           | 104.7       |
| 1919 | 440,000    | 5,534        | 12.55                      | 2.7             | 2.0           | 1.3        | 33.1                   | 43.1           | 76.2        |
| 1920 | 444,216    | 5,551        | 12.40                      | 2.9             | 1.9           | 14.9       | 38.7                   | 46.0           | 84.7        |
| 1921 | 425,000    | 4,774        | 11.24                      | 5.9             | 2.8           | 10.4       | 36.4                   | 35.1           | 71.5        |
| 1922 | 432,000    | 5,209        | 12.06                      | 3.5             | 2.8           | 16.1       | 35.3                   | 39.5           | 74.6        |
| 1923 | 438,000    | 5,221        | 11.92                      | 1.1             | 2.5           | 7.7        | 36.0                   | 32.0           | 68.0        |
| 1924 | 446,000    | 5,074        | 11.38                      | 1.8             | 2.7           | 8.7        | 32.3                   | 32.9           | 65.2        |
| 1925 | 453,000    | 5,310        | 11.72                      | 2.0             | 1.1           | 9.3        | 30.3                   | 38.4           | 68.7        |
| 1926 | 460,000    | 5,450        | 11.85                      | 1.3             | 1.5           | 4.6        | 35.5                   | 36.4           | 71.9        |
| 1927 | 467,000    | 5,086        | 10.90                      | 2.6             | 1.3           | 13.3       | 31.8                   | 20.5           | 63.3        |
| 1928 | 474,000    | 5,412        | 11.43                      | 1.3             | 1.0           | 20.0       | 34.8                   | 24.1           | 63.9        |
| 1929 | 480,000    | 5,132        | 10.70                      | 0.8             | 0.6           | 20.0       | 31.2                   | 28.4           | 59.6        |
| 1930 | 487,000    | 5,239        | 10.76                      | 0.7             | 0.1           | 10.9       | 27.9                   | 24.2           | 52.1        |
| 1931 | 485,000    | 5,073        | 10.40                      | 2.0             | 0.5           | 3.6        | 30.0                   | 21.5           | 51.5        |
| 1932 | 480,000    | 4,682        | 9.75                       | 3.7             | 0.9           | 0.5        | 25.5                   | 16.7           | 42.2        |
| 1933 | 482,000    | 4,930        | 10.23                      | 0.9             | 0.5           | 0.2        | 26.8                   | 20.3           | 45.1        |
| 1934 | 481,000    | 4,764        | 9.90                       | 0.4             | 0.2           | 0.2        | 27.2                   | 18.0           | 45.2        |
| 1935 | 485,000    | 4,886        | 10.06                      | 0.2             | 0.0           | 0.2        | 32.9                   | 21.7           | 54.6        |
| 1936 | 487,000    | 5,331        | 10.95                      | 1.5             | 0.2           | NONE       | 27.5                   | 18.4           | 45.9        |
| 1937 | 488,000    | 5,161        | 10.58                      | 0.2             | 0.0           | 0.2        | 21.8                   | 15.7           | 37.5        |
| 1938 | 488,000    | 4,470        | 9.16                       | 0.2             | 0.4           | 0.2        | 24.6                   | 14.5           | 39.1        |
| 1939 | 489,000    | 4,455        | 9.11                       | 0.9             | 0.9           | 0.2        | 24.3                   | 13.8           | 38.1        |
| 1940 | 489,000    | 5,025        | 10.27                      | NONE            | NONE          | NONE       | 24.7                   | 10.4           | 35.1        |
| 1941 | 489,000    | 5,127        | 10.48                      | NONE            | NONE          | NONE       | 23.2                   | 9.4            | 32.6        |
| 1942 | 489,000    | 5,256        | 10.75                      | 0.2             | NONE          | NONE       | 21.9                   | 7.4            | 29.3        |
| 1943 | 490,000    | 5,702        | 11.64                      | 0.2             | NONE          | 0.2        | 21.5                   | 9.4            | 30.9        |
| 1944 | 490,000    | 5,201        | 10.61                      | 0.2             | NONE          | NONE       | 25.0                   | 9.7            | 34.7        |
| 1945 | 493,000    | 5,297        | 10.74                      | 0.2             | NONE          | NONE       | 1.1                    | 1.1            | 1.1         |

## TOTAL DEATHS BY AGE GROUPS 1916-1945

| YEAR | TOTAL<br>DEATHS | UNDER<br>1 YR | 1 AND<br>JND 2 | 2 AND<br>JND 4 | TOTAL<br>JND 5 | 6-4 | 5-24 | 25-44 | 45-64 | 65 &<br>OVER |
|------|-----------------|---------------|----------------|----------------|----------------|-----|------|-------|-------|--------------|
| 1916 | 6357            | 1026          | 390            | 405            | 1821           | 254 | 335  | 1197  | 1566  | 1184         |
| 1917 | 6205            | 1038          | 244            | 179            | 1461           | 237 | 340  | 1275  | 1637  | 1255         |
| 1918 | 8484            | 1215          | 433            | 434            | 2082           | 314 | 780  | 2308  | 1754  | 1245         |
| 1919 | 5534            | 862           | 190            | 186            | 1238           | 249 | 345  | 1204  | 1376  | 1122         |
| 1920 | 5551            | 994           | 253            | 192            | 1439           | 220 | 327  | 1041  | 1379  | 1145         |
| 1921 | 4776            | 837           | 136            | 134            | 1107           | 194 | 248  | 910   | 1256  | 1061         |
| 1922 | 5209            | 822           | 198            | 166            | 1186           | 232 | 268  | 925   | 1414  | 1184         |
| 1923 | 5221            | 756           | 163            | 136            | 1055           | 196 | 305  | 872   | 1503  | 1290         |
| 1924 | 5111            | 746           | 130            | 139            | 1015           | 199 | 268  | 975   | 1470  | 1184         |
| 1925 | 5447            | 746           | 132            | 144            | 1022           | 206 | 273  | 1018  | 1640  | 1288         |
| 1926 | 5606            | 753           | 187            | 158            | 1098           | 156 | 277  | 1015  | 1618  | 1442         |
| 1927 | 5296            | 636           | 109            | 112            | 857            | 210 | 277  | 974   | 1724  | 1254         |
| 1928 | 5735            | 626           | 156            | 186            | 968            | 245 | 304  | 1002  | 1794  | 1422         |
| 1929 | 5857            | 594           | 104            | 152            | 850            | 192 | 308  | 1162  | 1768  | 1577         |
| 1930 | 5447            | 512           | 83             | 119            | 714            | 188 | 327  | 1037  | 1788  | 1393         |
| 1931 | 5306            | 490           | 64             | 98             | 652            | 172 | 252  | 1025  | 1747  | 1458         |
| 1932 | 4850            | 371           | 41             | 73             | 485            | 128 | 228  | 890   | 1677  | 1442         |
| 1933 | 5128            | 356           | 68             | 96             | 520            | 141 | 215  | 914   | 1775  | 1563         |
| 1934 | 4921            | 342           | 54             | 54             | 450            | 117 | 192  | 824   | 1779  | 1559         |
| 1935 | 4996            | 417           | 46             | 60             | 523            | 117 | 190  | 864   | 1788  | 1514         |
| 1936 | 5331            | 332           | 45             | 45             | 422            | 116 | 208  | 861   | 1892  | 1832         |
| 1937 | 5256            | 287           | 51             | 61             | 400            | 115 | 202  | 812   | 1877  | 1850         |
| 1938 | 5116            | 310           | 29             | 45             | 384            | 86  | 179  | 751   | 1845  | 1871         |
| 1939 | 5005            | 303           | 29             | 24             | 350            | 97  | 168  | 704   | 1777  | 1909         |
| 1940 | 5207            | 300           | 26             | 33             | 353            | 55  | 168  | 703   | 1934  | 1988         |
| 1941 | 5127            | 318           | 30             | 34             | 382            | 62  | 138  | 639   | 1948  | 1958         |
| 1942 | 5256            | 352           | 25             | 36             | 413            | 50  | 151  | 682   | 1935  | 2025         |
| 1943 | 5702            | 367           | 24             | 44             | 435            | 66  | 148  | 660   | 2074  | 2313         |
| 1944 | 5201            | 375           | 24             | 29             | 428            | 67  | 113  | 618   | 1904  | 2071         |
| 1945 | 5292            | 390           | 24             | 31             | 445            | 75  | 124  | 564   | 1933  | 2151         |

"TOTAL DEATHS" INCLUDES ALL DEATHS IN NEWARK BOTH RESIDENT AND NON-RESIDENT AS WELL AS DEATHS OF NEWARKERS AT SOHO AND VERONA.

DEATHS AND DEATH RATES BY CAUSE AND COLOR 1944-1945

11

|                              | TOTAL |        |       |        | NEGRO |        |       |        |
|------------------------------|-------|--------|-------|--------|-------|--------|-------|--------|
|                              | 1945  |        | 1944  |        | 1945  |        | 1944  |        |
|                              | RATE  | DEATHS | RATE  | DEATHS | RATE  | DEATHS | RATE  | DEATHS |
| INFANTILE PARALYSIS          | 1.6   | 7      | 0.7   | 3      | -     | -      | 2.1   | 1      |
| TYPHOID FEVER                | 0.4   | 2      | -     | -      | -     | -      | -     | -      |
| MEASLES                      | -     | -      | 0.2   | 1      | -     | -      | -     | -      |
| SCARLET FEVER                | 0.2   | 1      | 0.2   | 1      | -     | -      | -     | -      |
| WHOOPING COUGH               | 0.2   | 1      | -     | -      | -     | -      | -     | -      |
| DIPHTHERIA                   | -     | -      | -     | -      | -     | -      | -     | -      |
| INFLUENZA                    | 1.6   | 7      | 2.7   | 12     | 2.0   | 1      | 4.2   | 2      |
| EPIDEM. MENING. (CEB. SPIN.) | 2.5   | 11     | 3.9   | 17     | 10.0  | 5      | 12.5  | 6      |
| TUBERCULOSIS OF LUNGS        | 50.8  | 225    | 51.9  | 237    | 200.0 | 100    | 218.7 | 105    |
| TUBERCULOSIS MENINGITIS      | 2.5   | 11     | 0.9   | 4      | 16.0  | 8      | 8.3   | 4      |
| OTHER TUBERCULOSIS           | 2.5   | 11     | 3.6   | 16     | 14.0  | 7      | 20.8  | 10     |
| CANCER - ALLIG. TUMOR        | 159.8 | 708    | 160.9 | 708    | 120.0 | 60     | 120.8 | 58     |
| SIMPLE MENINGITIS            | 3.4   | 15     | 5.0   | 22     | 8.0   | 4      | 8.3   | 4      |
| APPOXY - SEPT. OF BRAIN      | 109.7 | 486    | 95.7  | 421    | 98.0  | 49     | 112.5 | 54     |
| ORGAN & HEART DISEASE        | 398.2 | 1764   | 396.4 | 1744   | 358.0 | 179    | 287.5 | 138    |
| BRONCHITIS                   | 1.4   | 6      | 1.8   | 8      | -     | -      | 2.1   | 1      |
| PNEUMONIA, LOBAR             | 23.7  | 105    | 25.9  | 114    | 54.0  | 27     | 66.7  | 32     |
| PNEUMONIA, BRONCHO           | 25.1  | 11     | 27.3  | 120    | 48.0  | 24     | 37.5  | 18     |
| OTHER RESP. DISEASES         | 18.3  | 81     | 15.4  | 68     | 26.0  | 13     | 16.6  | 8      |
| 2 SEPT. OF STOMACH           | 7.2   | 32     | 7.7   | 34     | 4.0   | 2      | 4.2   | 2      |
| DIARRHOEA (UNDER 5 YEARS)    | 2.3   | 10     | 5.2   | 23     | 2.0   | 1      | 8.3   | 4      |
| APPENDICITIS & TYPHILITIS    | 6.5   | 29     | 5.7   | 25     | 18.0  | 9      | 10.4  | 5      |
| HERNIA, INTEST. OBSTR.       | 9.9   | 44     | 17.1  | 82     | 24.0  | 12     | 22.9  | 11     |
| CARCINOMA OF LIVER           | 11.1  | 49     | 10.9  | 48     | 10.0  | 5      | 14.6  | 7      |
| BRIGHT'S DIS. - NEPHRITIS    | 61.9  | 274    | 61.6  | 271    | 85.0  | 42     | 66.7  | 33     |
| DIS. OF UOEN (NOT CANCER)    | 1.6   | 7      | 1.6   | 7      | 4.0   | 2      | 4.2   | 2      |
| PUERPERAL SEPTICAEMIA        | 0.9   | 4      | -     | -      | 2.0   | 1      | -     | -      |
| OTHER PUERPERAL DISEASES     | 3.2   | 14     | 2.0   | 9      | 4.0   | 2      | 4.2   | 2      |
| CONG. DEBILITY & WLP.        | 64.3  | 285    | 63.2  | 278    | 106.0 | 53     | 114.6 | 55     |
| OLD AGE                      | 4.1   | 18     | 6.6   | 29     | 4.0   | 2      | 4.2   | 2      |
| ACCIDENTS                    | 61.2  | 271    | 61.4  | 270    | 92.0  | 41     | 58.3  | 28     |
| MONIC DE                     | 3.7   | 13     | 4.1   | 18     | 18.0  | 9      | 20.8  | 10     |
| SALE DE                      | 10.5  | 47     | 9.5   | 42     | -     | -      | 4.2   | 2      |
| ILL-DEFINED CAUSES           | 17.9  | 79     | 7.3   | 32     | 26.0  | 13     | 8.3   | 4      |
| ALL OTHER CAUSES             | 127.3 | 564    | 126.6 | 557    | 136.0 | 68     | 147.9 | 71     |

DEATHS - CERTAIN CAUSES IN AGE GROUPS

| CAUSES OF DEATH | TOTAL  | UNDER 5 |       | 5 TO 24 |      | 25 TO 44 |      | 45 TO 64 |      | 65 & OVER |      |
|-----------------|--------|---------|-------|---------|------|----------|------|----------|------|-----------|------|
|                 | DEATHS | DEATHS  | %     | DEATHS  | %    | DEATHS   | %    | DEATHS   | %    | DEATHS    | %    |
| TOTALS          | 5292   | 445     | 8.4   | 199     | 3.8  | 564      | 10.7 | 1933     | 36.5 | 2151      | 40.6 |
| MEASLES         | -      | -       | -     | -       | -    | -        | -    | -        | -    | -         | -    |
| WHOOPING COUGH  | 1      | 1       | 100.0 | -       | -    | -        | -    | -        | -    | -         | -    |
| DIARRHOEAL DIS. | 10     | 10      | 100.0 | -       | -    | -        | -    | -        | -    | -         | -    |
| EARLY INFANCY   | 285    | 285     | 100.0 | -       | -    | -        | -    | -        | -    | -         | -    |
| INFLUENZA       | 7      | 1       | 14.3  | 2       | 28.6 | 2        | 28.6 | -        | -    | -         | -    |
| PNEUMONIA       | 216    | 65      | 30.1  | 7       | 3.2  | 27       | 12.5 | 57       | 26.4 | 60        | 27.8 |
| BRONCHITIS      | 6      | 2       | 33.3  | 1       | 16.7 | 1        | 16.7 | 2        | 33.3 | -         | -    |
| PULMONARY T.B.  | 225    | 2       | 0.9   | 36      | 16.0 | 85       | 37.8 | 94       | 37.3 | 18        | 8.0  |
| BRIGHT'S DIS.   | 274    | 4       | 1.5   | 10      | 3.6  | 36       | 13.1 | 97       | 35.4 | 127       | 46.4 |
| CANCER          | 708    | 2       | 0.3   | 4       | 0.6  | 62       | 8.7  | 349      | 49.3 | 291       | 41.1 |
| APPOXY          | 486    | -       | -     | 1       | 0.2  | 29       | 6.0  | 183      | 37.6 | 273       | 56.2 |
| ORG. HRT. DIS.  | 1764   | 3       | 0.2   | 25      | 1.4  | 103      | 5.8  | 683      | 38.7 | 950       | 53.9 |
| ACCIDENTS       | 271    | 22      | 8.1   | 26      | 9.6  | 39       | 14.4 | 79       | 29.1 | 105       | 38.8 |

## DEATHS BY SPECIAL CAUSES - 1937 - 1945

|                              | 1945 | 1944 | 1943 | 1942 | 1941 | 1940 | 1937 | 1938 | 1937 |
|------------------------------|------|------|------|------|------|------|------|------|------|
| TOTAL -- ALL CAUSES          | 5292 | 5201 | 5702 | 5256 | 5127 | 5207 | 5005 | 5116 | 5256 |
| INFANTILE PARALYSIS          | 7    | 3    | -    | 2    | 3    | -    | -    | -    | 1    |
| TYPHOID FEVER                | 2    | -    | -    | -    | -    | -    | 4    | 2    | -    |
| TYPHOID FEVER "PARA"         | -    | -    | 2    | -    | -    | -    | -    | -    | -    |
| MEASLES                      | -    | -    | 1    | 4    | 1    | 5    | -    | -    | 16   |
| SCARLET FEVER                | 1    | 1    | 1    | 1    | -    | -    | 4    | 1    | 1    |
| DIPHTHERIA                   | -    | -    | 1    | -    | -    | 1    | 1    | 1    | 1    |
| WHOOPING COUGH               | 1    | -    | 2    | 3    | 4    | 1    | 6    | 6    | 7    |
| INFLUENZA                    | 7    | 12   | 23   | 5    | 19   | 8    | 10   | 17   | 24   |
| EPIDEMIC MENINGITIS (CR SP)  | 11   | 17   | 27   | 5    | 1    | 1    | -    | 1    | -    |
| OTHER EPIDEMIC DISEASES      | -    | -    | -    | -    | -    | 1    | -    | 1    | -    |
| TUBERCULOSIS OF LUNGS        | 225  | 237  | 266  | 261  | 235  | 277  | 252  | 253  | 266  |
| TUBERCULOSIS MENINGITIS      | 1    | 4    | 7    | 11   | 13   | 11   | 6    | 9    | 10   |
| OTHER TUBERCULOSIS           | 11   | 16   | 21   | 16   | 26   | 21   | 19   | 25   | 25   |
| CANCER & MALIGNANT TUMOR     | 708  | 708  | 655  | 601  | 660  | 636  | 631  | 630  | 633  |
| SIMPLE MENINGITIS            | 15   | 22   | 17   | 25   | 13   | 14   | 16   | 20   | 22   |
| APOPLEXY - SOFT. OF BRAIN    | 486  | 421  | 431  | 425  | 415  | 440  | 383  | 347  | 310  |
| ORGANIC HEART DISEASE        | 1764 | 1744 | 1975 | 1756 | 1530 | 1360 | 1240 | 1201 | 1158 |
| BRONCHITIS                   | 6    | 8    | 5    | 11   | 5    | 11   | 9    | 10   | 13   |
| LOBAR PNEUMONIA              | 105  | 114  | 166  | 144  | 125  | 91   | 130  | 189  | 245  |
| BRONCHO PNEUMONIA            | 111  | 120  | 162  | 102  | 119  | 103  | 101  | 123  | 184  |
| OTHER RESPIRATORY DISEASES   | 81   | 68   | 134  | 184  | 167  | 142  | 124  | 92   | 124  |
| DISEASES OF STOMACH          | 32   | 34   | 48   | 34   | 30   | 31   | 39   | 43   | 51   |
| DIARRHOEA (UNDER 5 YRS)      | 10   | 23   | 15   | 12   | 13   | 14   | 20   | 12   | 32   |
| APPENDICITIS & TYPHILITIS    | 29   | 25   | 31   | 34   | 45   | 68   | 61   | 82   | 77   |
| HERNIA & INTEST. OBST.       | 44   | 62   | 75   | 67   | 50   | 59   | 57   | 51   | 60   |
| DIARRHOEA OF LIVER           | 49   | 48   | 40   | 34   | 47   | 37   | 36   | 42   | 42   |
| BRIGHT'S D.S. & NEPHRITIS    | 274  | 271  | 276  | 223  | 222  | 124  | 154  | 149  | 168  |
| D.S. OF WOMEN (NOT CANCER)   | 7    | 7    | 7    | 10   | 4    | 19   | 11   | 11   | 12   |
| PUERPERAL SEPTICAEMIA        | 4    | -    | 4    | 2    | 5    | 2    | 5    | 4    | 10   |
| OTHER PUERPERAL DISEASES     | 14   | 9    | 14   | 20   | 21   | 27   | 25   | 19   | 12   |
| CONG. DEBILITY & MALF.       | 285  | 278  | 257  | 262  | 243  | 225  | 203  | 213  | 170  |
| OLD AGE                      | 18   | 29   | 46   | 30   | 43   | 28   | 36   | 43   | 49   |
| ACCIDENTS                    | 271  | 270  | 304  | 271  | 235  | 258  | 226  | 268  | 343  |
| HOMICIDES                    | 13   | 18   | 22   | 22   | 19   | 21   | 23   | 21   | 37   |
| SUICIDES                     | 47   | 42   | 55   | 66   | 55   | 82   | 50   | 66   | 70   |
| ILL-DEFINED                  | 79   | 32   | 30   | 42   | 51   | 50   | 39   | 39   | 32   |
| ALL OTHER CAUSES             | 564  | 557  | 582  | 571  | 708  | 1039 | 1083 | 1116 | 1064 |
| CRUDE DEATH RATE (1000 POP.) | 11.6 | 11.5 | 12.6 | 11.9 | 11.6 | 11.7 | 10.6 | 10.9 | 11.0 |

## BIRTHS BY ATTENDANT AND PLACE OF DELIVERY 1916-1945

| YEAR | TOTAL BIRTHS | NON-RESIDENT BIRTHS | HOSPITAL OF DELIVERIES | HOME DELIVERIES |             | NO ATTENDANT | % TOTAL BIRTHS DEL'D IN HOSP. |
|------|--------------|---------------------|------------------------|-----------------|-------------|--------------|-------------------------------|
|      |              |                     |                        | PHYS C          | AN M D N FE |              |                               |
| 1916 | 11,446       | 221                 | 1,374                  | 4,480           | 5,582       | 2            | 12.0%                         |
| 1917 | 11,850       | 381                 | 1,956                  | 4,195           | 5,696       | 3            | 16.5%                         |
| 1918 | 11,600       | 487                 | -                      | -               | 5,358       | 0            | -                             |
| 1919 | 11,315       | 554                 | -                      | -               | 5,148       | 0            | -                             |
| 1920 | 11,734       | -                   | -                      | -               | 4,712       | 0            | -                             |
| 1921 | 11,705       | -                   | -                      | -               | 4,470       | 0            | -                             |
| 1922 | 10,993       | 883                 | -                      | -               | 3,764       | 0            | -                             |
| 1923 | 11,111       | -                   | -                      | -               | 3,552       | 0            | -                             |
| 1924 | 11,449       | -                   | -                      | -               | 3,251       | 0            | -                             |
| 1925 | 10,852       | 1,258               | 4,845                  | 3,208           | 2,799       | 0            | 44.6%                         |
| 1926 | 10,460       | 1,214               | 5,003                  | 2,955           | 2,502       | 0            | 47.8%                         |
| 1927 | 10,042       | 1,246               | 4,995                  | 2,709           | 2,338       | 0            | 49.7%                         |
| 1928 | 9,802        | 1,431               | 5,390                  | 2,419           | 1,993       | 0            | 55.0%                         |
| 1929 | 9,965        | 1,822               | 5,805                  | 2,436           | 1,724       | 0            | 58.3%                         |
| 1930 | 9,824        | 1,977               | 6,517                  | 2,814           | 1,493       | 0            | 60.3%                         |
| 1931 | 9,506        | 2,137               | 6,824                  | 1,491           | 91          | 0            | 71.8%                         |
| 1932 | 8,782        | 1,885               | 6,538                  | 1,291           | 953         | 0            | 74.4%                         |
| 1933 | 7,897        | 1,703               | 6,195                  | 986             | 716         | 0            | 78.4%                         |
| 1934 | 7,565        | 1,738               | 5,859                  | 982             | 625         | 0            | 77.4%                         |
| 1935 | 7,638        | 1,812               | 6,076                  | 1,047           | 515         | 0            | 79.5%                         |
| 1936 | 7,236        | 1,737               | 6,025                  | 778             | 433         | 0            | 81.3%                         |
| 1937 | 7,659        | 1,956               | 6,682                  | 603             | 374         | 0            | 87.2%                         |
| 1938 | 7,936        | 2,076               | 7,06                   | 546             | 283         | 1            | 89.5%                         |
| 1939 | 7,950        | 2,180               | 7,315                  | 401             | 234         | 0            | 92.0%                         |
| 1940 | 8,538        | 2,514               | 7,952                  | 401             | 185         | 0            | 93.4%                         |
| 1941 | 9,765        | 3,162               | 9,282                  | 325             | 58          | 0            | 95.1%                         |
| 1942 | 2,016        | 4,020               | 1,479                  | 376             | 161         | 0            | 95.5%                         |
| 1943 | 11,856       | 3,978               | 11,230                 | 432             | 194         | 0            | 94.7%                         |
| 1944 | 10,792       | 3,632               | 10,306                 | 330             | 156         | 0            | 95.5%                         |
| 1945 | 11,254       | 3,916               | 10,867                 | 272             | 15          | 0            | 96.6%                         |

## INFANT MORTALITY BY COLOR

| YEAR | WHITE INF. MORT. RATE | COL. INF. MORT. RATE | WHITE POST NEONATAL MORT. RATE * |  | COLORED POST NEONATAL MORT. RATE * |  | WHITE NEONATAL MORT. RATE |  | COL. NEONATAL MORT. RATE |  |
|------|-----------------------|----------------------|----------------------------------|--|------------------------------------|--|---------------------------|--|--------------------------|--|
|      |                       |                      |                                  |  |                                    |  |                           |  |                          |  |
| 1922 | 70.9                  | 140.8                | 37.2                             |  | 77.0                               |  | 33.7                      |  | 63.8                     |  |
| 1923 | 65.0                  | 112.4                | 29.7                             |  | 66.1                               |  | 35.3                      |  | 46.3                     |  |
| 1924 | 60.1                  | 129.5                | 29.2                             |  | 79.1                               |  | 30.9                      |  | 50.4                     |  |
| 1925 | 61.0                  | 155.1                | 33.8                             |  | 89.9                               |  | 27.2                      |  | 65.2                     |  |
| 1926 | 66.6                  | 104.4                | 33.2                             |  | 73.8                               |  | 33.4                      |  | 56.6                     |  |
| 1927 | 54.7                  | 40.5                 | 25.                              |  | 59.9                               |  | 29.6                      |  | 80.6                     |  |
| 1928 | 54.8                  | 37.0                 | 25.4                             |  | 58.3                               |  | 29.4                      |  | 78.7                     |  |
| 1929 | 49.8                  | 138.7                | 23.2                             |  | 70.3                               |  | 26.6                      |  | 68.4                     |  |
| 1930 | 46.0                  | 102.7                | 21.2                             |  | 50.0                               |  | 24.8                      |  | 52.7                     |  |
| 1931 | 46.3                  | 95.5                 | 21.8                             |  | 45.8                               |  | 24.5                      |  | 49.7                     |  |
| 1932 | 37.3                  | 82.0                 | 14.2                             |  | 36.0                               |  | 23.1                      |  | 45.1                     |  |
| 1933 | 39.1                  | 91.1                 | 17.2                             |  | 42.8                               |  | 2.9                       |  | 48.3                     |  |
| 1934 | 38.8                  | 94.3                 | 4.5                              |  | 44.3                               |  | 24.3                      |  | 50.0                     |  |
| 1935 | 50.7                  | 84.8                 | 8.6                              |  | 45.9                               |  | 32.                       |  | 38.9                     |  |
| 1936 | 39.8                  | 89.5                 | 14.6                             |  | 45.3                               |  | 25.2                      |  | 44.2                     |  |
| 1937 | 24.0                  | 61.5                 | 23.3                             |  | 39.0                               |  | 2.7                       |  | 22.5                     |  |
| 1938 | 23.1                  | 62.2                 | 17.6                             |  | 32.                                |  | 23.8                      |  | 30.1                     |  |
| 1939 | 36.7                  | 74.8                 | 18.4                             |  | 32.2                               |  | 18.3                      |  | 42.6                     |  |
| 1940 | 35.8                  | 70.9                 | 12.6                             |  | 23.0                               |  | 23.2                      |  | 47.9                     |  |
| 1941 | 28.9                  | 62.6                 | 0.5                              |  | 2.5                                |  | 21.1                      |  | 41.1                     |  |
| 1942 | 26.3                  | 55.3                 | 5.9                              |  | 20.9                               |  | 20.4                      |  | 34.5                     |  |
| 1943 | 27.6                  | 59.5                 | 7.1                              |  | 28.9                               |  | 20.4                      |  | 30.5                     |  |
| 1944 | 31.6                  | 57.3                 | 8.2                              |  | 20.1                               |  | 23.3                      |  | 36.9                     |  |
| 1945 | 31.7                  | 55.3                 | 0.5                              |  | 21.5                               |  | 21.2                      |  | 33.7                     |  |

\* OVER ONE MONTH BUT UNDER ONE YEAR.

## DEATHS UNDER ONE YEAR BY CAUSES - 1917-1945

| YEAR | MEASLES | BROU-<br>CHITIS | PNEU-<br>MONIA | MENIN-<br>GITIS | DIAR-<br>RHOEA | OTHER<br>CONTAG.<br>DISEASES | EARLY INF.<br>CONG. DEB.<br>PREMATUR. | ALL<br>OTHERS | TOTAL |
|------|---------|-----------------|----------------|-----------------|----------------|------------------------------|---------------------------------------|---------------|-------|
| 1917 | 0       | 72              | 21             | 26              | 250            | 50                           | 430                                   | 86            | 1035  |
| 1918 | 33      | 84              | 56             | 30              | 273            | 83                           | 442                                   | 112           | 213   |
| 1919 | 2       | 42              | 87             | 24              | 244            | 27                           | 345                                   | 91            | 862   |
| 1920 | 16      | 57              | 143            | 19              | 191            | 66                           | 402                                   | 100           | 994   |
| 1921 | 5       | 38              | 83             | 2               | 78             | 27                           | 403                                   | 97            | 897   |
| 1922 | 14      | 44              | 128            | 11              | 153            | 22                           | 352                                   | 98            | 822   |
| 1923 | 15      | 32              | 94             | 10              | 105            | 21                           | 376                                   | 103           | 756   |
| 1924 | 4       | 38              | 106            | 17              | 115            | 24                           | 356                                   | 86            | 746   |
| 1925 | 3       | 26              | 99             | 14              | 105            | 23                           | 376                                   | 103           | 746   |
| 1926 | 17      | 18              | 142            | 5               | 102            | 16                           | 383                                   | 70            | 753   |
| 1927 | 0       | 13              | 91             | 10              | 70             | 28                           | 357                                   | 67            | 636   |
| 1928 | 11      | 8               | 97             | 12              | 68             | 19                           | 356                                   | 55            | 626   |
| 1929 | 0       | 14              | 121            | 8               | 43             | 28                           | 307                                   | 73            | 594   |
| 1930 | 4       | 9               | 95             | 10              | 33             | 10                           | 278                                   | 73            | 512   |
| 1931 | 0       | 10              | 86             | 17              | 30             | 21                           | 273                                   | 53            | 490   |
| 1932 | 0       | 2               | 67             | 5               | 13             | 12                           | 232                                   | 40            | 371   |
| 1933 | 2       | 2               | 75             | 2               | 18             | 10                           | 191                                   | 56            | 356   |
| 1934 | 0       | 2               | 52             | 5               | 23             | 2                            | 221                                   | 37            | 342   |
| 1935 | 3       | 3               | 59             | 7               | 22             | 16                           | 264                                   | 43            | 417   |
| 1936 | 0       | 5               | 51             | 10              | 19             | 9                            | 202                                   | 42            | 332   |
| 1937 | 4       | 0               | 47             | 1               | 26             | 6                            | 187                                   | 36            | 287   |
| 1938 | 0       | 3               | 40             | 3               | 10             | 10                           | 211                                   | 33            | 310   |
| 1939 | 0       | 2               | 28             | 1               | 18             | 6                            | 201                                   | 47            | 303   |
| 1940 | 0       | 1               | 26             | 4               | 14             | 0                            | 223                                   | 32            | 300   |
| 1941 | 1       | 0               | 23             | 7               | 10             | 5                            | 241                                   | 31            | 318   |
| 1942 | 2       | 1               | 41             | 3               | 8              | 2                            | 260                                   | 35            | 352   |
| 1943 | 0       | 1               | 41             | 5               | 14             | 5                            | 255                                   | 46            | 367   |
| 1944 | 0       | 1               | 43             | 8               | 23             | 3                            | 275                                   | 22            | 375   |
| 1945 | 0       | 1               | 56             | 3               | 8              | 3                            | 280                                   | 39            | 390   |

## BIRTHS &amp; INFANT MORTALITY RATES BY WARDS - 1945

| WARDS | TOTAL<br>BIRTHS | TOTAL<br>COLORED<br>BIRTHS | % TOTAL<br>BIRTHS<br>COLORED | MIDWIVES<br>BIRTHS | % TOTAL<br>BIRTHS<br>DELIVERED<br>BY MIDWIVES | TOTAL<br>DEATHS<br>UNDER<br>1 YEAR | INFANT<br>MORTALITY<br>RATES |
|-------|-----------------|----------------------------|------------------------------|--------------------|---|------------------------------------|------------------------------|
| 1     | 415             | 54                         | 13.0%                        | 10                 | 2.4%  | 18                                 | 43.4                         |
| 2     | 141             | 45                         | 31.9                         | 2                  | 1.4   | 5                                  | 35.5                         |
| 3     | 567             | 451                        | 79.5                         | 5                  | .8  | 35                                 | 6.7                          |
| 4     | 82              | 26                         | 31.7                         | 0                  | -   | 7                                  | 85.4                         |
| 5     | 243             | 21                         | 8.6                          | 9                  | 3.7   | 10                                 | 41.2                         |
| 6     | 351             | 78                         | 22.2                         | 5                  | 1.4   | 11                                 | 31.3                         |
| 7     | 228             | 123                        | 53.9                         | 2                  | .9  | 11                                 | 48.2                         |
| 8     | 731             | 35                         | 4.8                          | 9                  | 1.1   | 26                                 | 35.6                         |
| 9     | 1159            | 90                         | 7.8                          | 9                  | .8  | 26                                 | 2.4                          |
| 10    | 339             | 43                         | 12.7                         | 8                  | 2.4   | 11                                 | 32.4                         |
| 11    | 889             | 32                         | 6.5                          | 5                  | 1.0   | 18                                 | 20.8                         |
| 12    | 386             | 11                         | 2.8                          | 13                 | 3.4   | 10                                 | 25.9                         |
| 13    | 747             | 7                          | .9                           | 10                 | 1.3   | 22                                 | 29.5                         |
| 14    | 514             | 163                        | 31.7                         | 19                 | 3.7   | 25                                 | 48.6                         |
| 15    | 234             | 71                         | 30.3                         | 4                  | 1.7   | 11                                 | 47.0                         |
| 16    | 712             | 48                         | 6.7                          | 5                  | .7  | 33                                 | 46.3                         |
| N.R.  | 3916            | 95                         | 2.4                          | 0                  | 0   | 111                                | 28.3                         |
| TOTAL | 11254           | 1993                       | 12.4                         | 115                | 1.0   | 390                                | 34.7                         |

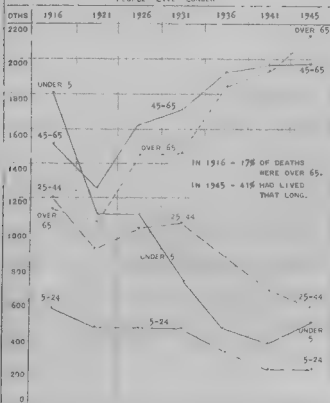
## BIRTHS &amp; DEATHS - BY WARD &amp; COLOR 1945

| WARD                            | POPULATION | DEATHS | CRUDE<br>DEATH RATE | BIRTHS | BIRTH<br>RATE | DEATHS<br>UNDER 1 YR. | INFANT<br>MORT. RATE |
|---------------------------------|------------|--------|---------------------|--------|---------------|-----------------------|----------------------|
| 1                               | 27,000     | 206    | 7.6                 | 415    | 15.4          | 18                    | 43.4                 |
| 2                               | 12,000     | 177    | 14.7                | 141    | 11.7          | 5                     | 35.5                 |
| 3                               | 26,000     | 397    | 15.3                | 567    | 21.8          | 35                    | 61.7                 |
| 4                               | 7,000      | 172    | 24.6                | 82     | 11.7          | 7                     | 85.4                 |
| 5                               | 17,200     | 147    | 8.6                 | 243    | 14.1          | 10                    | 41.                  |
| 6                               | 20,000     | 245    | 12.2                | 351    | 17.5          | 11                    | 32.0                 |
| 7                               | 14,000     | 176    | 12.6                | 228    | 16.3          | 11                    | 48.2                 |
| 8                               | 39,000     | 365    | 9.3                 | 731    | 18.7          | 26                    | 35.6                 |
| 9                               | 63,000     | 572    | 9.1                 | 1159   | 18.4          | 26                    | 22.4                 |
| 10                              | 20,000     | 159    | 7.9                 | 339    | 16.9          | 11                    | 32.4                 |
| 11                              | 29,000     | 299    | 10.3                | 489    | 16.9          | 18                    | 36.8                 |
| 12                              | 21,000     | 210    | 10.0                | 386    | 18.4          | 10                    | 25.9                 |
| 13                              | 58,000     | 448    | 7.7                 | 747    | 12.9          | 22                    | 29.5                 |
| 14                              | 31,000     | 270    | 8.7                 | 514    | 16.6          | 25                    | 48.6                 |
| 15                              | 13,000     | 130    | 10.0                | 234    | 18.0          | 11                    | 47.0                 |
| 16                              | 46,000     | 400    | 8.7                 | 712    | 15.5          | 33                    | 46.3                 |
| NON-RESIDENT<br>UNKNOWN ADDRESS |            | 857    | -                   | 3916   | -             | 111                   | -                    |
| TOTAL                           | 443,000    | 5292   | 11.6                | 11254  | 25.4          | 390                   | 34.7                 |
| COLORED                         |            |        |                     |        |               |                       |                      |
| 1                               | 1,500      | 22     | 14.7                | 54     | 36.0          | 3                     | 55.6                 |
| 2                               | 2,200      | 35     | 15.9                | 45     | 20.4          | 2                     | 44.4                 |
| 3                               | 17,000     | 256    | 15.1                | 451    | 26.5          | 30                    | 66.5                 |
| 4                               | 1,000      | 26     | 26.0                | 26     | 26.0          | -                     | -                    |
| 5                               | 800        | 12     | 15.0                | 21     | 26.2          | 1                     | 47.6                 |
| 6                               | 2,400      | 30     | 12.5                | 78     | 32.5          | 4                     | 51.3                 |
| 7                               | 5,400      | 93     | 17.2                | 123    | 22.8          | 6                     | 48.8                 |
| 8                               | 2,200      | 20     | 9.1                 | 35     | 15.9          | 1                     | 28.6                 |
| 9                               | 3,000      | 37     | 12.3                | 90     | 30.0          | 1                     | 11.1                 |
| 10                              | 1,900      | 25     | 13.2                | 43     | 22.6          | 5                     | 16.3                 |
| 11                              | 1,500      | 20     | 13.3                | 32     | 21.3          | 3                     | 96.2                 |
| 12                              | 400        | 9      | 22.5                | 11     | 27.5          | 1                     | 90.0                 |
| 13                              | 500        | 4      | 8.0                 | 7      | 14.0          | -                     | -                    |
| 14                              | 5,200      | 71     | 13.7                | 163    | 31.3          | 9                     | 55.2                 |
| 15                              | 3,500      | 30     | 8.6                 | 71     | 20.3          | 3                     | 42.3                 |
| 16                              | 1,500      | 11     | 7.3                 | 48     | 32.0          | 3                     | 62.5                 |
| NON-RESIDENT<br>UNKNOWN ADDRESS |            | 30     | -                   | 95     | -             | 5                     | -                    |
| TOTAL                           | 50,000     | 739    | 14.8                | 1393   | 27.9          | 77                    | 55.1                 |

# NEWARK - N.J. MORTALITY TRENDS

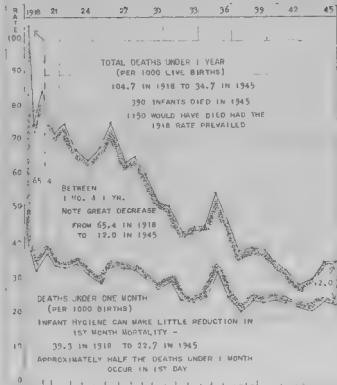
(BY AGE)

PEOPLE LIVE LONGER



# NEWARK - N.J. INFANT MORTALITY

1918 - 1945





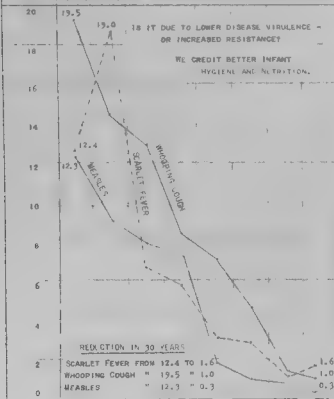
DEATHS  
PER  
1000  
CASES

NEWARK - N.J.

DOWNWARD TREND

CASE FATALITY

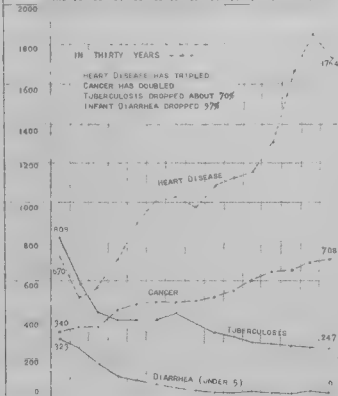
4-YR AVERAGES 1916-19 20-23 24-27 28-31 32-35 36-39 40-43 44-45

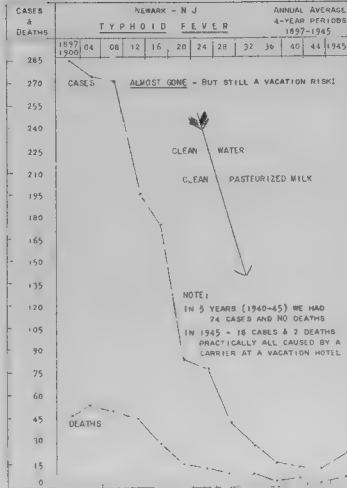
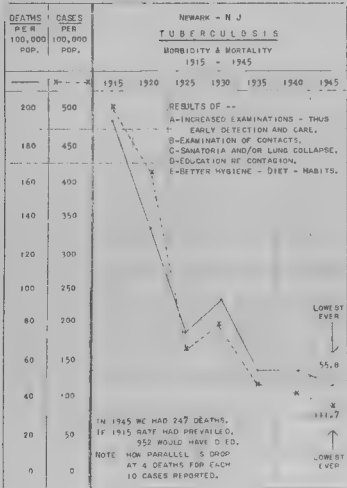


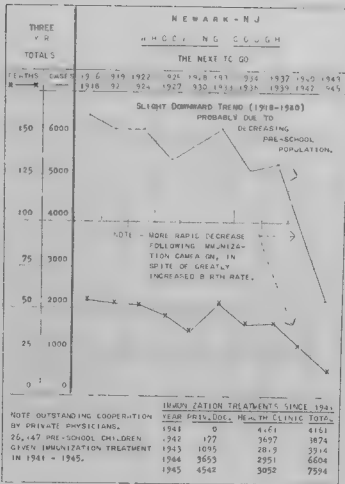
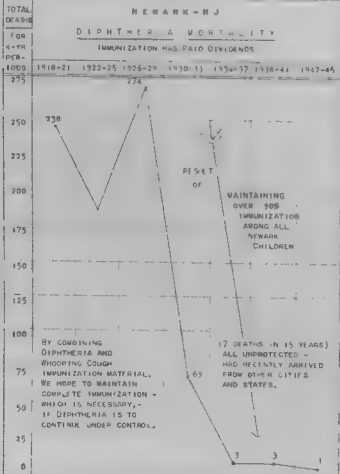
NEWARK - N.J.

TRENDS IN MAJOR CAUSES OF DEATH

DEATHS 1917 19 21 23 25 27 29 31 33 35 37 39 41 43 1945  
MAR 20 22 24 26 28 30 32 34 36 38 40 42 44







## SANITARY DIVISION

CHRISTOPHER C. NUGENT, JR. - ASST. HEALTH OFFICER

THE CITY OF NEWARK IS DIVIDED INTO TEN DISTRICTS. THE DIVISION USES THREE EMERGENCY AUTOMOBILES AND FIVE MOTORCYCLES. THE BALANCE OF THE DISTRICTS ARE COVERED ON FOOT. TYPICAL INSANITARY CONDITIONS ABATED BY THIS DIVISION INCLUDE THE FOLLOWING:

|   |  |
|---|--|
| INSUFFICIENT HEAT IN HOMES AND OFFICES. | INSPECTION OF ROOMING HOUSES.                  |
| DEFECTIVE STORM LEADERS AND GUTTERS.    | ACCUMULATION OF GARBAGE AND REFUSE.            |
| INSANITARY YARDS, CELLARS AND ALLEYS.   | HOUSES UNFIT FOR HABITATION.                   |
| DARK AND WINDOWLESS ROOMS.              | INSPECTION OF THEATRES, LODGING HOUSES.        |
| BUILDINGS DEPRIVED OF CITY WATER.       | BARBER SHOPS AND BEAUTY PARLORS.               |
| INSPECTION OF CHICKEN MARKETS           | DOG CONTROL.                                   |
| INSPECTION OF PUBLIC BUILDINGS          | FOLLOW-UP OF DELINQUENT DOMESTIC REGISTRATION. |

THE FOLLOWING LICENSES AND PERMITS ARE GRANTED BY THIS DIVISION AFTER APPROVED SANITARY INSPECTION: ICF, REFUSE, POULTRY SLAUGHTER HOUSES AND CHICKEN (RABBITS, PIGEON, ETC.)

THIS DIVISION ENFORCES THE NEW ORDINANCE ON REHABILITATION AND DEMOLITION OF DWELLINGS. THERE WERE 104 HEARINGS RELATIVE TO SUB-STANDARD DWELLINGS, WITH THE FOLLOWING RESULTS:

|                                    |    |  |    |
|------------------------------------|----|--|----|
| STRUCTURES REHABILITATED . . . . . | 15 | CASES PENDING . . . . .                | 35 |
| STRUCTURES DEMOLISHED . . . . .    | 39 | REMOVED FROM THE CUSTODY OF SUPERVISOR | 15 |

DURING THE AVERAGE YEAR, OUR SANITARY INSPECTORS MAKE APPROXIMATELY 85,000 INSPECTIONS, SERVE 10,000 WRITTEN NOTICES, FIND 22,000 NUISANCES AND SECURE THE ABATEMENT OF 20,000. THE REMAINING NUISANCES ARE ABATED THROUGH LEGAL ACTION.

| YEARLY REPORT OF SANITARY DIV. | 1939  | 1940  | 1941  | 1942  | 1943  | 1944  | 1945  |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|
| TOTAL NUMBER OF INSPECTIONS    | 83727 | 84586 | 88951 | 92302 | 89717 | 77130 | 82319 |
| INSPECTIONS (COMPLAINTS)       | 6745  | 8128  | 7523  | 9962  | 1731  | 10086 | 9807  |
| NUMBER OF RE-INSPECTIONS       | 20266 | 21130 | 23392 | 21526 | 21105 | 18418 | 18580 |
| NUMBER OF NUISANCES FOUND      | 8373  | 24991 | 25569 | 30517 | 35655 | 20717 | 21955 |
| WRITTEN NOTICES SERVED         | 11078 | 10591 | 845   | 13053 | 2246  | 10357 | 9752  |
| ABATEMENTS, WRITTEN NOTICES    | 0138  | 9788  | 6862  | 9312  | 9852  | 8650  | 7917  |

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## FUMIGATION-PEST CONTROL

JOHN F. LYNCH, CHIEF INSPECTOR, FUMIGATION

BY ORDINANCE ALL FUMIGATORS MUST BE LICENSED AFTER PASSING WRITTEN EXAMINATION. ALL FUMIGATIONS REQUIRE PERMITS AND ARE SUPERVISED TO SAFEGUARD NEIGHBORS. ALL RODENTS AND VERMIN CONDITIONS ARE INVESTIGATED BY THE CHIEF AND ONE ASSISTANT.

THE FOLLOWING IS A TABULATION OF THE ACTIVITIES OF 1945:

|   |     |
|---|-----|
| INVESTIGATIONS - RODENTS AND INSECTS  | 327 |
| WRITTEN NOTICES SERVED  | 193 |
| TOTAL NUMBER OF TOXIC GAS FUMIGATIONS   | 544 |
| WAREHOUSE CHAMBER FUMIGATIONS (CHLOROPICRIN)  | 40  |
| WAREHOUSE, FACTORIES AND FOOD PLANTS (HYDRO-CYANIC ACID GAS, METHYL BROMIDE AND CHLOROPICRIN) | 16  |
| FREIGHT CARS (HYDRO-CYANIC ACID GAS, CHLOROSOL, METHYL BROMIDE)                               | 215 |
| FOOD TRUCKS (CHLOROSOL, METHYL BROMIDE AND CHLOROPICRIN)                                      | 55  |
| OCCUPIED DWELLINGS (HYDRO-CYANIC ACID GAS)  | 19  |
| DEMOLITION OF STRUCTURES - INSPECTED 12, FUMIGATED (CYANOGAS)                                 | 9   |
| VACANT LOTS (EMERGENCY FUMIGATION BY HEALTH DEPT.) (CYANOGAS)                                 | 18  |
| RUMMAGE SALES (FORMALDEHYDE)  | 178 |

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# INDUSTRIAL HYGIENE DIVISION

LEWIS C. BOUTILLIER, CHIEF INSPECTOR - CHARLES E. MAGUIRE, ASST. CHIEF.

THE GREAT MAJORITY OF VISITS WERE, AS IN THE PAST, SELF-INITIATED. ACTIVITIES OF THE INDUSTRIAL ENGINEER SHOWED A DEFINITE INCREASE OVER ACTIVITIES FOR 1944. HOWEVER, OTHER ACTIVITIES, SUCH AS MEDICAL, NURSING AND INSPECTING WERE SOMEWHAT CURTAILED DUE TO THE UNDESIRABLE EFFECTS OF LAY IN THE EARLY PART OF THE YEAR AND THE OCCURRENCE OF FLU IN THE LATE WINTER. IN ADDITION, THE DIVISION HAD TO LIMIT NURSES FOR THE LAST HALF OF THE YEAR, IN ORDER TO MEET THE ARMY FORCES AND ONE ON AN EXTENDED LEAVE OF ABSENCE. CURTAILED IN THE LATTER ACTIVITIES WAS DUE TO THE CLOSING OF FEW INDUSTRIAL PLANTS FOR WINTER AND RECOMMISSIONING. THE FOLLOWING TABLES INDICATE WORK OF (1) THE INSPECTORS, (2) THE NURSES, AND (3) THE INDUSTRIAL ENGINEER:

TABLE 1 -- INSPECTOR ACTIVITIES - TOTAL VISITS - 1,122

|                                 |      |                                      |      |
|---------------------------------|------|--------------------------------------|------|
| COMPLAINT INSPECTIONS . . . . . | 404  | INDUSTRIAL HYGIENE SURVEYS . . . . . | 411. |
| ORIGINAL . . . . .              | 7905 | RECOMMENDATIONS MADE . . . . .       | 219  |
| REINSPECTIONS . . . . .         | 2176 | " COMPLIED WITH . . . . .            | 219  |
| TOTAL INSPECTIONS . . . . .     | 6485 | OCCUPATIONAL DISEASE CASES . . . . . | 160  |
| VIOLATIONS FOUND . . . . .      | 841  | TYPE: DERMATITIS . . . . .           | 160  |
| ABATEMENTS . . . . .            | 598  | NUMBER OF PLANTS . . . . .           | 6    |
| NOTICES SERVED . . . . .        | 375  | HEARINGS HELD . . . . .              | 29   |
| VERBAL . . . . .                | 422  | LAW SUITS INSTITUTED . . . . .       | 0    |
| TOTAL " " . . . . .             | 797  | PENALTIES FOR VIOLATION . . . . .    | \$30 |

TABLE 2 -- NURSING AND MEDICAL ACTIVITIES - TOTAL VISITS - 470

|                                       |     |   |      |
|---------------------------------------|-----|---|------|
| INDUSTRIAL MEDICAL SURVEYS . . . . .  | 4   | INDUSTRIAL NURSING SURVEYS . . . . .        | 274  |
| RECOMMENDATIONS . . . . .             | 15  | FOLLOW UP VISITS . . . . .                  | 123  |
| OCCUPATIONAL DISEASE VISITS . . . . . | 100 | REQUEST VISITS . . . . .                    | 50   |
| CONSULTATIONS . . . . .               | 4   | RECOMMENDATIONS GIVEN . . . . .             | 208  |
| NO. OF PLANTS . . . . .               | 4   | LITERATURE DISTRIBUTED (QUANTITY) . . . . . | 5525 |

TABLE 3 -- INDUSTRIAL ENGINEER ACTIVITIES - TOTAL VISITS - 700

|   |     |                                  |     |
|---|-----|----------------------------------|-----|
| INDUSTRIAL HYGIENE SURVEYS . . . . .              | 28  | TOTAL HAZARDS FOUND . . . . .    | 39  |
| RECOMMENDATION GIVEN . . . . .                    | 119 | SILICA . . . . .                 | 5   |
| FIELD DETERMINATIONS . . . . .                    | 123 | TRICHLOROETHYLENE . . . . .      | 10  |
| CARBON MONOXIDE . . . . .                         | 14  | CUTTING OIL (DEAR.) . . . . .    | 6   |
| HYDROGEN SULPHIDE . . . . .                       | 2   | OXIDES OF NITROGEN . . . . .     | 2   |
| AIR VELOCITIES . . . . .                          | 99  | FORMALDEHYDE . . . . .           | 3   |
| AMMONIA . . . . .                                 | 2   | ADDITION (FUMES) . . . . .       | 5   |
| AMMONIUM FLUORIDE . . . . .                       | 3   | PENTACHLOROPHENOL . . . . .      | 5   |
| FORMALDEHYDE . . . . .                            | 1   | CHLORONAPHTHALENES . . . . .     | 3   |
| DUSTS . . . . .                                   | 2   | WORKERS EXPOSED . . . . .        | 170 |
| LABORATORY ANALYSES-ATMOSPHERE SAMPLING . . . . . | 52  | HAZARDS ELIMINATED . . . . .     | 30  |
| CUTTING OIL . . . . .                             | 8   | VISITS WITH INSPECTORS . . . . . | 511 |
| TRICHLOROETHYLENE . . . . .                       | 6   |                                  |     |
| DUST COUNTS . . . . .                             | 10  |                                  |     |
| SILICON DIOXIDE . . . . .                         | 8   |                                  |     |
| LEAD . . . . .                                    | 3   |                                  |     |
| CADMIUM . . . . .                                 | 1   |                                  |     |
| FLUORIDES . . . . .                               | 1   |                                  |     |
| ACIDS . . . . .                                   | 4   |                                  |     |
| ALKALIES . . . . .                                | 4   |                                  |     |
| PENTACHLOROPHENOL . . . . .                       | 3   |                                  |     |
| CHLORONAPHTHALENES . . . . .                      | 3   |                                  |     |
| PROTEIN . . . . .                                 | 1   |                                  |     |

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## DIVISION OF SANITARY ENGINEERING

CHARLES A. HALLGRING, CHIEF INSPECTOR -- PATRICK J. MONAGHAN, ASST. CHIEF INSPECTOR

PLUMBING PERMITS INCREASED DUE TO SOMEWHAT MORE AVAILABLE MATERIAL, ALTHOUGH THERE IS STILL ACUTE NEED FOR MORE HOUSING AND MORE MATERIAL. THIS DIVISION INVESTIGATES ALL COMPLAINTS REFERRING TO PLUMBING AND COOPERATES WITH OTHER DIVISIONS WHERE PLUMBING IS INVOLVED.

|                                      | 1938 | 1939 | 1940 | 1941  | 1942  | 1943  | 1944  | 1945  |
|--------------------------------------|------|------|------|-------|-------|-------|-------|-------|
| PLANS APPROVED - NEW SYSTEMS - - - - | 140  | 189  | 206  | 68    | 135   | 142   | 45    | 130   |
| PLANS APPROVED - OLD SYSTEMS - - - - | 227  | 1194 | 1157 | 1,001 | 677   | 562   | 696   | 696   |
| SEWER INSPECTIONS - - - - -          | 235  | 263  | 294  | 186   | 121   | 128   | 126   | 127   |
| PLUMBING INSPECTIONS - - - - -       | 5560 | 4694 | 3777 | 2510  | 2243  | 2190  | 2165  | 2352  |
| SPECIAL INSPECTIONS - - - - -        | 3317 | 3640 | 4966 | 4713  | 6628  | 6732  | 11029 | 12718 |
| FINAL PLUMBING INSPECTIONS - - - - - | 1395 | 1260 | 1315 | 1,108 | 1,106 | 728   | 763   | 812   |
| WATER TESTS - - - - -                | 453  | 433  | 470  | 379   | 194   | 153   | 106   | 106   |
| SMOKE TESTS - - - - -                | 63   | 51   | 75   | 89    | 35    | 48    | 3     | 4     |
| COMPLAINTS RECEIVED - - - - -        | 533  | 593  | 490  | 484   | 531   | 563   | 1785  | 3251  |
| VIOLATIONS NOTICES SERVED - - - - -  | 263  | 311  | 269  | 134   | 244   | 205   | 428   | 485   |
| NOTICES COMPLIED WITH - - - - -      | 215  | 246  | 257  | 270   | 210   | 175   | 372   | 421   |
| NUISANCES ABATED - - - - -           |      |      |      |       |       |       | 1035  | 2170  |
| LAW SUITS INSTITUTED - - - - -       | 40   | 71   | 66   | 28    | 27    | 44    | 8     | 17    |
| MASTER PLUMBERS LICENSE ISSUED - - - | 461  | 436  | 438  | 424   | 413   | 401   | 394   | 384   |
| CROSS CONNECTIONS DISCONTINUED - - - | 15   | 11   | 13   | 47    | 30    | 12    | 9     | 1     |
| WATER SAMPLES COLLECTED - - - - -    | 833  | 1055 | 955  | 1363  | 1231  | 1,138 | 1187  | 1169  |
| DANCE HALLS INSPECTED - - - - -      |      |      |      | 333   | 332   | 282   | 282   | 133   |

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## COMMUNICABLE DISEASE DIVISION

DR. J. W. GARDAN, MEDICAL DIRECTOR -- WILLIAM S. JENNINGS, CHIEF INSPECTOR

THE COMMUNICABLE DISEASE DIVISION IS RESPONSIBLE FOR CONTROLLING AND PREVENTING THE SPREAD OF DISEASES OTHER THAN VENEREAL AND TUBERCULOSIS. LOW MORBIDITY PREVALENCE GREATLY REDUCED INSPECTOR VISITS WHICH NUMBERED 21,380 DURING THE YEAR, COMPARED WITH 25,468 IN 1944. SEE SPECIAL ITEM ON IMMUNIZATION IN HEALTH OFFICER'S REVIEW.

| MORBIDITY REPORT     | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945   |
|----------------------|------|------|------|------|------|------|------|------|--------|
| * DIPHTHERIA         | 5    | 23   | 13   | NONE | 2    | NONE | 4    | 1    | NONE   |
| * SCARLET FEVER      | 504  | 496  | 1201 | 931  | 1087 | 645  | 401  | 642  | 604    |
| * TYPHOID FEVER      | 6    | 5    | 25   | 6    | 2    | 5    | 8    | 3    | 18     |
| PARA TYPHOID         | 1    | 2    | 5    | 1    | 3    | 1    | 0    | 0    | 1      |
| TUBERCULOSIS         | 575  | 600  | 534  | 586  | 612  | 674  | 705  | 585  | 495    |
| UNDULANT FEVER       | 5    | 1    | 10   | 3    | 5    | 0    | 3    | 1    | 5      |
| TRICHINOSIS          | 2    | 0    | 0    | 0    | 3    | 3    | 5    | 2    | 8      |
| LOBAR PNEUMONIA      | 1210 | 889  | 1069 | 994  | 912  | 952  | 1145 | 707  | 732    |
| BRONCHO "            | 928  | 715  | 662  | 583  | 599  | 597  | 799  | 567  | 545    |
| * EPIDEM-MENING.     | 24   | 4    | 3    | 7    | 4    | 36   | 136  | 118  | 52     |
| * INFANT. -PARALYSIS | 19   | 6    | 5    | 10   | 18   | 37   | 13   | 29   | 50     |
| * WHOOPING COUGH     | 929  | 2116 | 2343 | 1051 | 1302 | 1534 | 1088 | 294  | 765    |
| * MEASLES            | 9323 | 399  | 63   | 6878 | 4253 | 4105 | 4987 | 5142 | 194    |
| GERMAN MEASLES       | 445  | 91   | 81   | 170  | 6552 | 379  | 3113 | 489  | 263    |
| CHICKENPOX           | 2571 | 4164 | 1173 | 2439 | 3632 | 4484 | 4484 | 3252 | 3439   |
| MUMPS                | 919  | 094  | 679  | 3503 | 1389 | 578  | 3094 | 2384 | 358    |
| ERYSIPELAS           | 96   | 120  | 81   | 86   | 89   | 92   | 49   | 62   | 53     |
| VINCENT'S ANGINA     | 182  | 221  | 182  | 140  | 98   | 416  | 428  | 1173 | 1568   |
| OPHTHALMIA NEON.     | 121  | 155  | 151  | 127  | 58   | 91   | 61   | 47   | 68     |
| PUERPERAL FEVER      | 1    | 1    | 0    | 4    | 4    | 0    | 2    | 4    | 1      |
| DYSENTERY            | 5    | 3    | 1    | 2    | 2    | 2    | 0    | 2    | 2      |
| TETANUS              | 3    | 1    | 2    | 1    | 2    | 3    | 0    | 2    | 0      |
| INFLUENZA            | 312  | 39   | 104  | 89   | 424  | 138  | 194  | 75   | 109    |
| MALARIA              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 56   | 86 *** |

\* PLACARDED, TYPHOID FEVER AND INFANTILE PARALYSIS INVARIABLY HOSPITALIZED

\*\* WHOOPING COUGH - ARM BANDS ON PATIENTS.

\*\*\* 77 PATIENTS IN NEWARK ARMY HOSPITAL - 9 IN DISCHARGED SOLDIERS.

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# FOOD & DRUG DIVISION

JULIUS F. GONDELY, CHIEF INSPECTOR -- DAVID E. MORGAN, ASST. CHIEF INSPECTOR

During the year the Division carried out extensive investigations and sampling program on such food products as grape juices, non-alcoholic beverages, cosmetics and custard and cream-filled bakery products.

The investigations of non-alcoholic beverages were made to determine whether saccharin was being used as a substitute for sugar, as a sweetening agent, in view of the extreme shortage of sugar supplies. Under the State Food & Drug Act, saccharin is not permitted to be used. Numerous samples of cosmetics were picked up and checked for the presence of harmful dyes and harmful ingredients.

An intensive program was carried out in checking the sanitary condition, methods of production, handling, storage and transportation of custard and cream-filled bakery product establishments. Numerous wholesale dealers and distributing establishments were checked and required to provide proper facilities and equipment for the handling of these highly perishable products.

In cooperation with the U. S. Food & Drug Administration our Department investigated a number of cases where food and drug products were shipped into our market that were unfit for human consumption or contaminated and adulterated with foreign substances. In a number of cases, embargoes were made by our Department pending the completion of seizure proceedings by the Federal authorities.

## PRINCIPAL CITY FOOD AND DRUG INSPECTIONS

| Types of Food Establishments       | 1933  | 1940  | 1941  | 1942  | 1943  | 1944  | 1945  |
|------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| RESTAURANTS, LUNCHROOMS, ETC. -    | 7934  | 7333  | 5721  | 5483  | 9707  | 3640  | 3798  |
| CAFES-TAVERNS -                    | 3238  | 2832  | 2927  | 2654  | 4036  | 2984  | 2017  |
| BAKERIES-MFG. PLANTS -             | 1377  | 951   | 1015  | 152   | 470   | 477   | 375   |
| RETAIL STORES -                    | 1011  | 978   | 547   | 612   | 495   | 408   | 362   |
| WHOLESALE DEALERS -                | 111   | 12    | 159   | 79    | 65    | 10    | 63    |
| CANDY-RETAIL STORES -              | 2612  | 2602  | 2380  | 2350  | 2259  | 1917  | 1577  |
| GROCERIES-RETAIL STORES -          | 5880  | 5257  | 6723  | 4986  | 4058  | 1890  | 2886  |
| PRODUCE-RETAIL STORES -            | 1189  | 1063  | 900   | 911   | 71    | 796   | 532   |
| DRUGS-RETAIL STORES -              | 496   | 621   | 620   | 176   | 480   | 457   | 34    |
| ICE CREAM-MFG. PLANTS - NEWARK -   | 213   | 146   | 116   | 69    | 65    | 8     | 24    |
| MFG. PLANTS-OUT OF CITY -          | 115   | 67    | 65    | 91    | 68    | 0     | 4     |
| NON-ALCOHOLIC BEV. PLANTS-NEWARK - | 95    | 86    | 40    | 46    | 65    | 36    | 91    |
| OUT OF CITY -                      | 45    | 9     | 5     | 23    | 6     | 0     | 5     |
| MISCL. WHOLESALE & FOOD MFG. -     | 327   | 433   | 179   | 293   | 580   | 103   | 235   |
| MISCELLANEOUS -                    | 244   | 189   | 715   | 459   | 440   | 1185  | 421   |
| SPECIAL INVESTIGATIONS -           | 1085  | 905   | 1488  | 674   | 762   | 340   | 517   |
| TOTAL INSPECTIONS                  | 25975 | 23484 | 23600 | 22478 | 24354 | 15760 | 13221 |

## REPORT ON GLASS SWAB SAMPLES TAKEN FROM NEWARK TAVERNS FOR BACTERIOLOGICAL EXAMINATIONS

|   | 1942 |    | 1943 |    | 1944 |    | 1945 |    |
|---|------|----|------|----|------|----|------|----|
|   | NO.  | %  | NO.  | %  | NO.  | %  | NO.  | %  |
| NO. TAVERNS FROM WHICH SAMPLES WERE TAKEN | 294  |    | 785  |    | 776  |    | 743  |    |
| TOTAL NUMBER OF BACTERIAL SAMPLES TAKEN   | 1375 |    | 1860 |    | 2053 |    | 1450 |    |
| NO. FOUND STERILE -                       | 399  | 29 | 953  | 51 | 1081 | 53 | 779  | 54 |
| WITH COUNTS FROM 1 TO 1,000 -             | 335  | 24 | 405  | 22 | 527  | 26 | 377  | 26 |
| " " " " 1,001 - 100,000 -                 | 538  | 39 | 439  | 24 | 398  | 9  | 247  | 17 |
| " " " " OVER 100,000 -                    | 03   | 8  | 63   | 3  | 47   | 2  | 47   | 3  |
| SAMPLES SATISFACTORY -                    | 1272 | 93 | 797  | 47 | 2006 | 98 | 403  | 97 |
| TOTAL NUMBER OF COLON SAMPLES TAKEN       | 1375 |    | 1860 |    | 2123 |    | 1525 |    |
| NO. FOUND STERILE -                       | 916  | 67 | 1412 | 79 | 1651 | 78 | 1253 | 82 |
| WITH COUNTS FROM 1 TO 50 -                | 209  | 15 | 136  | 7  | 226  | 11 | 124  | 8  |
| " " " " OVER 50 -                         | 250  | 18 | 250  | 13 | 246  | 12 | 148  | 10 |
| AVERAGE COLON COUNT -                     | 79   |    | 62   |    | 44   |    | 41   |    |
| SAMPLES SATISFACTORY -                    | 1125 | 82 | 1610 | 87 | 1877 | 88 | 1369 | 90 |

## FOOD &amp; DRUG DIVISION - (CONTINUED)

MILK AND CREAM CONTROL. - DURING THE YEAR, THE CITY OF NEWARK, ALONG WITH THE REMAINDER OF THE METROPOLITAN AREA EXPERIENCED AN EXTREME SHORTAGE OF FLUID MILK SUPPLIES. THIS SHORTAGE BECAME SO ACUTE THAT THE DEPARTMENT FOUND IT NECESSARY TO BAN THE SALE OF HEAVY CREAM FOR A PERIOD EXTENDING OVER A NUMBER OF WEEKS. BECAUSE OF A NUMBER OF UNUSUAL FACTORS ALONG WITH THE RECURRING SEASONAL FACTORS, THE SHORT PERIOD OF MILK AND CREAM SUPPLIES HAS EXTENDED FAR BEYOND ITS NORMAL SPAN AND HAS CAUSED BOTH HEALTH OFFICIALS AND THE INDUSTRY MANY HEADACHES IN THEIR ENDEAVORS TO KEEP THE PATRONS SUPPLIED WITH CLEAN, FRESH, HIGH QUALITY SUPPLIES OF MILK AND CREAM. AS OF DEC. 31, 1945, THE SITUATION WAS STILL ACUTE AND SHOWED NO SIGN OF EASING UP.

| MILK AND DAIRY INSPECTION REPORT | INSP. | RE-INSP. | TOTAL | EXCLUDED |
|----------------------------------|-------|----------|-------|----------|
| PASTEURIZING PLANTS - - - - -    | 164   | 11       | 175   |          |
| RECEIVING PLANTS - - - - -       | 148   | 6        | 154   | 10       |
| DAIRIES - - - - -                | 8780  | 440      | 9220  | 232      |
| MILK CONDEMNED --- 14,330 QTS.   |       |          |       |          |

| COMPOSITE AVERAGES OF NEWARK'S MILK SUPPLIES | NO. OF SAMPLES | AVE. BACT. PER C.C. | % BUTTER-FAT | % TOTAL SOLIDS |
|--|----------------|---------------------|--------------|----------------|
| GRADES OF MILK                               |                |                     |              |                |
| CERTIFIED - - - - -                          | 46             | 5,680               | 3.96         | 12.82          |
| PREMIUM - - - - -                            | 599            | 14,360              | 3.93         | 12.77          |
| PASTEURIZED - - - - -                        | 1,020          | 17,320              | 3.69         | 12.47          |
| GRAND AVERAGE - - - - -                      | 1,665          | 16,930              | 3.79         | 12.69          |

|                        |  |
|------------------------|--|
| DAILY MILK CONSUMPTION | DAILY MILK CONSUMPTION -- 261,493 QTS.           |
| POPULATION 443,000     | PER CAPITA MILK CONSUMPTION = 1.11 PINTS PER DAY |

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VETERINARY DIVISION

W. J. HUGHES, CHIEF VETERINARIAN

THIS DIVISION IS RESPONSIBLE FOR THE INSPECTIONS OF ALL SLAUGHTER HOUSES, BUTCHER SHOPS, BOLOGNA KITCHENS, POULTRY MARKETS, FISH MARKETS, AND OTHER ESTABLISHMENTS WHERE MEAT, POULTRY AND FISH ARE HANDLED AND SOLD. INSPECTIONS ALSO INCLUDE MEAT TRUCKS AND POULTRY AND MEAT FREIGHT CARS. A STAFF OF VETERINARIANS AND TRAINED MEAT INSPECTORS ARE RESPONSIBLE FOR CARRYING OUT THESE DUTIES.

ALL MEATS OFFERED FOR SALE IN NEWARK MUST BE SLAUGHTERED UNDER THE SUPERVISION OF EITHER THE FEDERAL GOVERNMENT, OUR OWN VETERINARIANS, OR LOCAL VETERINARIANS OF OUTSIDE COMMUNITIES, WHERE AN APPROVED SUPERVISION IS MAINTAINED. THE STAFF OF INSPECTORS FROM THIS DIVISION ALSO MAINTAINS A RIGID INSPECTION OF ALL MEATS, POULTRY AND FISH DELIVERED TO CITY INSTITUTIONS.

BIRDS AND ANIMALS OFFERED FOR SALE IN LOCAL PET SHOPS ARE ALSO PERIODICALLY INSPECTED BY MEN FROM THIS DIVISION; AS SUCH LIVESTOCK MAY BE A POTENTIAL SOURCE OF CERTAIN ANIMAL DISEASES TRANSMISSIBLE TO HUMANS.

DURING 1945 MORE THAN 100,000 CARCASSES OF CATTLE, CALVES, SHEEP, GOATS AND GOATS WERE INSPECTED EITHER IN ABATTOIRS OR AT A LOCAL INSPECTION STATION OPENED FOR THAT PURPOSE DURING THE WAR EMERGENCY. CONDEMNATIONS DURING THE YEAR INCLUDED 68 ENTIRE CARCASSES, 5,022 PARTS OF CARCASSES, 49,497 LBS. OF POULTRY, AND 16,102 LBS. OF MISCELLANEOUS MEATS, FISH AND PROVISIONS.

|                           | NO. | INSPECTIONS |                        | NO. | INSPECTIONS |
|---------------------------|-----|-------------|------------------------|-----|-------------|
| BUTCHER SHOPS - - - - -   | 614 | 25,098      | ABATTOIRS - - - - -    | 9   | 510         |
| FISH STORES - - - - -     | 97  | 1,884       | COUNTRY DRESSING STAS. | 1   | 296         |
| BOLOGNA PLANTS - - - - -  | 29  | 2,220       | CITY INSTITUTIONS - -  | 3   | 452         |
| DRESSED POULTRY SHOPS - - | 14  | 607         | WHOLE BEEF HOUSES - -  | 33  | 4,279       |
| POULTRY SLAUGHTER HOUSES  | 54  | 2,463       | WHOLE FISH HOUSES - -  | 10  | 806         |
| PUBLIC MARKETS - - - - -  | 41  | 1,041       | "LIVE POULTRY" - - -   | 11  | 3,831       |
| REFRIGERATION PLANTS - -  | 1   | 60          | HORSE MEAT PLANTS - -  | 3   | 482         |
| PET SHOPS - - - - -       | 20  | 521         |                        |     |             |

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## CITY DISPENSARY

WELKIN RYAN, R.N., SUPERV. NURSES & CLINICS -- OSCAR STEVENS, CHIEF PHARMACIST.

THE CITY DISPENSARY PROVIDES CLINIC TREATMENT FOR MEDICALLY INDIGENT. HOME MEDICAL CARE IS PROVIDED AND SAID FOR BY THE RELIEF DEPARTMENT FOR PATIENTS ACTUALLY ON RELIEF AND BY THE HEALTH DEPARTMENT FOR THOSE NOT ON RELIEF BUT UNABLE TO PAY. THE PATIENT IS GIVEN FREE CHOICE OF PHYSICIAN. CLINIC TREATMENTS CONTINUED A FURTHER DECREASE IN 1945.

THE DISPENSARY PHARMACY PROVIDED 22,184 FREE PRESCRIPTIONS FOR CLINIC PATIENTS AND HOME FREE MEDICAL PATIENTS. IT ALSO HANDLES ALL FREE BIOLOGICALS AND IMMUNIZATION MATERIAL FOR CLINICS, FOR OTHER HEALTH DIVISIONS FOR PRIVATE PHYSICIANS INCLUDING 4277 VACCINE POINTS, 540 PKGS DIPHTERIA TOXOID, 451 PKGS WHOOPING COUGH VACCINE, 761 PKGS COMBINED WHOOPING & DIPHTHERIA MATERIAL, 25 PKGS MEASLES GLOBULIN AND 1 PKG. RABIES SERUM. MOST OF THIS MATERIAL IS SUPPLIED TO US FREE BY THE STATE HEALTH DEPT. DUE TO WARTIME CONDITIONS, FREE COD LIVER OIL, USUALLY DISTRIBUTED, WAS REPLACED BY VITAMIN D DISTRIBUTIONS. THE DISPENSARY X-RAY LABORATORY MAKES FILMS FOR CLINIC PATIENTS BUT THE BULK OF ITS X-RAY WORK IS FOR THE T.B. DIVISION AND FOR THE EXAMINATION OF FOOD HANDLERS AND DOMESTICS.

| CLINIC TREATMENT:     | 1943 | 1944 | 1945  |                             | 1943  | 1944  | 1945  |
|-----------------------|------|------|-------|-----------------------------|-------|-------|-------|
| MEUCAL                | 8098 | 4 93 | 3735  | INSULIN & OTHER INJEC.      | 1220  | 842   | 601   |
| CHILDREN              | 1081 | 305  | 443   | BLOOD COUNTS ETC.           | 446   | 613   | 708   |
| SURGICAL              | 2688 | 1169 | 1219  | URINALYSIS                  | 2238  | 1346  | 1347  |
| GYNAECOLOGICAL        | 1457 | 1087 | 15    | GRAPHIC SION                | 238   | 40    | 7     |
| SKIN                  | 4    | 447  | 964   | TUMOR, ANEMIA & ULCERS      | 577   | 0     | 0     |
| RECTAL & G.I.         | 911  | 844  | 1147  | EMPLOY. DIAGNOSTIC CLIN.    | 504   | 1317  | 1325  |
| ORTHOPEDIC            | 2628 | 328  | 093   | TOTAL PATIENTS --           | 35990 | 25462 | 24249 |
| DENTAL                | 5629 | 66 3 | 7602* | TOTAL PATIENTS TREATED      | 9453  | 14677 | 12154 |
| NEURO-PSYCHIATRIC     | 895  | 606  | 546   | PRESCRIPTIONS               | 35236 | 23136 | 22104 |
| ESSEX CO. HOSPITAL    | 203  | 204  | 182   | X-RAYS DENTAL FILM          |       | 2115  | 2262  |
| NERVOUS DISEASES      | 1649 | 949  | 676   | " " CHEST FILMS 4X5         |       | 20527 | 25154 |
| METABOLIC             | 1144 | 507  | 384   | " " " " 14X17               |       | 2463  | 2106  |
| VARICOSE VEINS        | 550  | 528  | 467   | " " MISCL. CLINICS          |       | 861   | 1078  |
| VACCINATION           | 545  | 759  | 315   | DOCTOR "ALL PD BY HEALTH D. |       | 605   | 1379  |
| ALPINE LAMP           | 280  | 155  | 74    | " " " " RELIEF D.           |       | 511   | 554   |
| MASSAGE & ELEC. THER. | 1129 | 901  | 767   | " " " " APPLICANTS          |       | 35    | 349   |
| HERNIA                | 87   | 11   | 0     |                             |       |       |       |
| TESTS-IMMUNIZATIONS   | 379  | 419  | 535   |                             |       |       |       |

\* INCLUDES 2444 VISITS TO 3 NBDH CLINICS

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## OCCUPATIONAL CLINIC

DR. WILLIAM T. RUMAGE, DIRECTOR

BY LOCAL ORDINANCE, ALL FOOD HANDLERS AND DOMESTICS MUST BE PHYSICALLY EXAMINED AND RECEIVE HEALTH CARDS EVERY SIX MONTHS. THE EXAMINATION INCLUDES THE BLOOD TEST FOR SYPHILIS, THE CHEST X-RAY FOR DOMESTICS AND ONCE YEARLY FOR FOOD HANDLERS. OUR NEW CHILD X-RAY FACILITY ENABLES US TO INCLUDE A 4"X5" X-RAY ANNUALLY FOR BOTH GROUPS. VINCENT ANGINA SMEARS ARE TAKEN WHERE ABNORMAL MOUTH SYMPTOMS ARE PRESENT.

URING THE YEAR 26,490 FOOD HANDLERS AND 1,987 DOMESTICS RECEIVED HEALTH CARDS. OF THESE, 24,154 FOOD HANDLERS AND 1,619 DOMESTICS WERE EXAMINED WITHOUT COST AT OUR CLINIC. THE OTHER 2,710 WERE EXAMINED BY PRIVATE PHYSICIANS.

TUBERCULOSIS WAS FOUND PRESENT IN 25 FOOD HANDLERS AND 1 DOMESTIC, 432 OTHERS WERE GIVEN TEMPORARY CARDS AND KEPT UNDER OBSERVATION AND TREATMENT AS SUBCUTICULS FOR INFECTED 9 CASES OF VENEREAL DISEASE OR TUBERCULOSIS. THE CLINIC TOOK 17,327 BLOOD TESTS FOR SYPHILIS AND 2595 WERE FOUND POSITIVE, LESS THAN 2%. PRACTICALLY ALL OF THESE WERE GIVEN TEMPORARY HEALTH CARDS AND REQUIRED TO TAKE NECESSARY TREATMENT. THERE WERE 14 CASES OF GONORRHOEA DETECTED AND ALL WERE EXCLUDED UNTIL CURED.

OF 2,891 MOUTH TESTS, 931 WERE POSITIVE FOR VINCENT'S ANGINA AND REQUIRED TO GO UNDER TREATMENT. THIS CLINIC COOPERATED WITH THE INDUSTRIAL HYGIENE DIVISION BY X-RAYING AND BLOOD-TESTING GROUPS REFERRED BY THAT DIVISION.

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# TUBERCULOSIS DIVISION

DR. IRVING WILLNER, DIRECTOR -- DR. THOMAS BELL, ASST. DIRECTOR  
 MAE WACKENHUTH, R.N., SUPERVISING NURSE

DESPITE WHAT WE CONGESTION AND STRAIN, BOTH MORBIDITY AND MORTALITY RATES IN TUBERCULOSIS DECLINED. THE MORBIDITY RATE DECREASED FROM 132.7 IN 1944 TO 117.7 IN 1945, THE LOWEST EVER. THE GRADUAL REDUCTION IN THE MORTALITY RATE CONTINUES AND IN 1945 SETS A NEW LOW RECORD OF 55.8 AS COMPARED WITH 58.4 IN 1944. TWENTY YEARS AGO, THE NEWARK MORTALITY RATE AVERAGED OVER 200 AND MORBIDITY RATE 567. DURING THE PAST YEAR, THE RECORDS OF THE DIVISION WERE CLASSIFIED SO THAT INACTIVE CASES WOULD BE VISITED LESS FREQUENTLY THAN BEFORE, THUS PERMITTING MORE TIME BY THE NURSES ON ACTIVE CASES AND CONTACTS. CLINIC EXAMINATIONS HAVE INCREASED IN CHEST, HAY FEVER AND ASTHMA AND A LARGER NUMBER OF PNEUMOTHORAX TREATMENTS GIVEN DURING THE PAST YEAR. THE EDUCATIONAL PROGRAM CONTINUED WITH LECTURES GIVEN BOTH BY THE DIRECTOR AND SUPERVISING NURSE IN SEVERAL HOSPITALS AND TO PUBLIC GROUPS.

## DIVISION WORK

|                                    |        |
|------------------------------------|--------|
| VISITS AND INVESTIGATIONS - NURSES | 24,203 |
| CLINIC EXAM. (ADULTS & CHILDREN)   | 5,537  |
| " " CARD AC                        | 989    |
| " " HAY FEVER & ASTHMA             | 767    |
| X-RAYS                             | 4,568  |
| CAMP CHILDREN EXAMINATIONS         | 1,032  |
| FLUOROSCOPIC EXAMINATIONS          | 747    |
| PNEUMOTHORAX TREATMENTS            | 692    |

## FOOD HANDLER & DOMESTIC WORK

|                              |     |
|------------------------------|-----|
| FOOD HANDLER RE-EXAMINATIONS | 627 |
| " " TEMPORARY CARDS          | 352 |
| " " REJECTIONS               | 19  |
| DOMESTIC RE-EXAMINATIONS     | 18  |
| " " TEMPORARY CARDS          | 17  |
| " " REJECTIONS               | 1   |

| SANATORIA & HOSPITAL                 | EXAMINATIONS |
|--------------------------------------|--------------|
| GLEN GARDNER - STATE SAN. CLINIC     | 177          |
| FARMINGDALE - STATE PREVENTORIUM CL. | 2            |
| SOMO - COUNTY HOSPITAL CLINIC        | 5            |
| VERONA - COUNTY SANATORIUM CLINIC    | 261          |

## NEIGHBORHOOD CLINICS EXAMINATIONS

|                  |    |
|------------------|----|
| BAKTER TERRACE   | 68 |
| CUTLER STREET    | 57 |
| SETH BOYDEN      | 57 |
| WEST STREET      | 51 |
| PENNINGTON COURT | 35 |
| FERRY STREET     | 35 |

## TUBERCULOSIS STATISTICS - WHITE AND COLORED

| YEAR | POPULA.<br>(1000'S) |     | REPORTED<br>CASES |     | DEATHS |     | MORBIDITY RATE |       |       | MORTALITY RATE |      |       |
|------|---------------------|-----|-------------------|-----|--------|-----|----------------|-------|-------|----------------|------|-------|
|      | WHT                 | COL | WHT               | COL | WHT    | COL | TOTAL          | WHT   | COL   | TOTAL          | WHT  | COL   |
| 1931 | 405                 | 40  | 793               | 289 | 251    | 155 | 221.1          | 171.1 | 722.0 | 32.2           | 62.0 | 387.5 |
| 1932 | 4 0                 | 40  | 552               | 245 | 195    | 64  | 74.4           | 129.7 | 612.1 | 80.0           | 47.6 | 422.5 |
| 1933 | 412                 | 40  | 513               | 230 | 227    | 154 | 87.5           | 24.5  | 575.0 | 85.8           | 55.1 | 385.1 |
| 1934 | 4 4                 | 40  | 417               | 217 | 186    | 124 | 47.5           | 07.9  | 542.5 | 69.6           | 44.9 | 370.0 |
| 1935 | 415                 | 40  | 431               | 220 | 189    | 124 | 43.7           | 04.8  | 540.0 | 69.5           | 45.4 | 370.0 |
| 1936 | 4 5                 | 42  | 429               | 213 | 82     | 153 | 4 1            | 05.7  | 507.  | 75.7           | 43.8 | 388.0 |
| 1937 | 415                 | 43  | 385               | 186 | 87     | 112 | 125.5          | 92.8  | 432.5 | 65.8           | 45.0 | 260.4 |
| 1938 | 415                 | 43  | 395               | 203 | 54     | 131 | 131.0          | 95.2  | 472.0 | 62.6           | 37.1 | 304.6 |
| 1939 | 415                 | 44  | 350               | 179 | 55     | 17  | 116.3          | 84.3  | 406.8 | 60.3           | 37.3 | 265.9 |
| 1940 | 384                 | 45  | 400               | 185 | 69     | 38  | 136.6          | 104.7 | 41 1  | 71.9           | 44.0 | 306.6 |
| 1941 | 384                 | 45  | 398               | 2 0 | 154    | 9   | 142.7          | 103.6 | 466.6 | 63.9           | 47.1 | 264.4 |
| 1942 | 384                 | 45  | 474               | 195 | 14     | 25  | 157.1          | 123.4 | 433.3 | 66.1           | 4 9  | 277.7 |
| 1943 | 392                 | 48  | 464               | 231 | 177    | 117 | 160.2          | 118.3 | 481.2 | 61.8           | 45.  | 243.7 |
| 1944 | 392                 | 48  | 371               | 207 | 135    | 119 | 132.7          | 94.6  | 431.2 | 58.4           | 34.4 | 247.9 |
| 1945 | 393                 | 50  | 326               | 165 | 130    | 115 | 111.7          | 82.9  | 330.0 | 55.8           | 33.0 | 230.0 |

## DEATHS (LAPSE OF TIME AFTER REPORT CASE)

|  |     |         |        |
|--|-----|---------|--------|
| No. CASES REPORTED PRIOR TO DEATH - UNDER 1 YEAR - - - | 107 | - - - - | 43.32% |
| 1 TO 2 YEARS - - -                                     | 23  | - - - - | 9.31   |
| 2 TO 3 YEARS - - -                                     | 17  | - - - - | 6.88   |
| 3 TO 4 YEARS - - -                                     | 14  | - - - - | 5.67   |
| 4 YEARS & OVER - - -                                   | 36  | - - - - | 14.58  |
|  | 197 | - - - - | 79.76% |

|  |    |         |        |
|--|----|---------|--------|
| No. CASES REPORTED AFTER DEATH - - - - - | 50 | - - - - | 20.24% |
|--|----|---------|--------|

# DIVISION OF CHILD HYGIENE

DR. JULIUS LEVY, DIRECTOR

--

DR. HARRY SILVER, ASSISTANT DIRECTOR

MRS. MEREDITH EHRLICH, SUPERVISING NURSE

THE INFANT MORTALITY RATE FOR 1945 IS 34.7, THE SAME AS IT WAS IN 1944. OVER 45% OF THE DEATHS IN THE FIRST YEAR OF LIFE OCCURRED IN THE FIRST MONTH AND OVER 53% IN THE FIRST WEEK. THESE DEATHS ARE RELATED TO OBSTETRICAL CONDITIONS AND TO INFECTIOUS DIARRHEA OF THE NEWBORN. WE HAVE REASON TO BELIEVE THAT INFECTIOUS DIARRHEA IS NOT BEING REPORTED AS EXTENSIVELY AS IT SHOULD BE. THERE ARE UNDOUBTEDLY MANY MORE CASES THAN ARE BROUGHT TO THE ATTENTION OF THE DEPARTMENT.

THE INFANT MORTALITY RATE FOR 1945 IS 4.6, WITH THE EXCEPTION OF 1943 AND 1944, THIS RATE IS THE LOWEST EVER REPORTED FOR THE CITY AND IS ONE OF THE LOWEST RATES FOR ANY CITY OF THE SAME SIZE.

THE STILLBIRTH RATE IS BUT SLIGHTLY HIGHER THAN IT WAS IN 1944 - 23.9 FOR 1945 AND 22.9 FOR 1944 - WHEN IT WAS THE LOWEST RATE EVER REPORTED FOR THE CITY. ONLY TEN YEARS AGO THE RATE WAS MORE THAN 23% HIGHER.

BIRTH RATES ARE GENERALLY REPORTED BY DETERMINING THE PROPORTION OF BIRTHS TO THE POPULATION. IN A CITY LIKE NEWARK, HOWEVER, WHICH DERIVES ALMOST 35% OF ITS BIRTHS FROM NON-RESIDENTS, IT WOULD SEEM MORE ACCURATE TO BASE THE BIRTH RATE ON TOTAL BIRTHS AMONG NEWARK RESIDENTS IN RELATION TO THE POPULATION, WHICH WOULD GIVE A BIRTH RATE OF 16.7.

THE SERVICES OF THE SOCIAL WORKER ATTACHED TO THIS DIVISION CONTINUED TO BE VERY HELPFUL TO THE FAMILIES REFERRED BY THE NURSES. IN ADDITION, THE LICENSING OF BOARDING HOME AND DAY-CARE CENTERS IS IN CHARGE OF THE SOCIAL WORKER. HE WAS ASSISTED IN THE STUDY OF THE DAY-CARE CENTERS OR NURSERY SCHOOLS BY A MEMBER OF THE BOARD OF EDUCATION, WHOSE SERVICES WERE OF VALUE BECAUSE THE EDUCATIONAL ASPECTS OF THE GROUP-CARE OF CHILDREN COULD THEN BE EMPHASIZED.

DURING THE YEAR, 74 INFANT BOARDING HOMES, 6 NURSERY SCHOOLS AND 9 DAY NURSERIES WERE APPROVED AND LICENSED.

(SEE SPECIAL TABLES FOR STATISTICAL DATA)

## NURSES' ACTIVITIES

| YEAR | NATURALLY DELIVERED BIRTHS<br>BORN DURING YEAR | TOTAL NO. OF SUPERVISED<br>BABIES UNDER TWO YEARS | NURSES' VISITS<br>TO HOMES | MOTHERS' VISITS TO<br>CONSULTATION STATIONS |
|------|--|---|----------------------------|---|
| 1927 | 4,310  | 7,400   | 47,957                     | 13,468                                      |
| 1928 | 4,236  | 7,593   | 51,189                     | 16,950                                      |
| 1929 | 4,609  | 8,089   | 57,251                     | 22,038                                      |
| 1930 | 4,777  | 8,437   | 61,445                     | 32,298                                      |
| 1931 | 5,070  | 11,899  | 68,715                     | 32,395                                      |
| 1932 | 4,915  | 12,397  | 76,575                     | 41,971                                      |
| 1933 | 4,386  | 11,868  | 71,093                     | 34,845                                      |
| 1934 | 4,286  | 12,219  | 67,536                     | 29,380                                      |
| 1935 | 4,767  | 12,948  | 72,977                     | 25,903                                      |
| 1936 | 3,820  | 14,890  | 71,476                     | 23,101                                      |
| 1937 | 3,532  | 13,785  | 71,507                     | 23,823                                      |
| 1938 | 4,972  | 15,848  | 69,410                     | 24,921                                      |
| 1939 | 5,152  | 14,700  | 68,292                     | 26,604                                      |
| 1940 | 5,364  | 13,591  | 64,135                     | 24,597                                      |
| 1941 | 5,747  | 13,094  | 61,280                     | 24,340                                      |
| 1942 | 7,047  | 15,149  | 67,825                     | 19,981                                      |
| 1943 | 7,530  | 16,663  | 76,632                     | 16,706                                      |
| 1944 | 6,605  | 13,003  | 81,289                     | 12,782                                      |
| 1945 | 6,834  | 12,439  | 72,373                     | 11,040                                      |

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# VENEREAL DISEASE CONTROL DIVISION

DR. AMES L. FILIPPONE, PHYSICIAN-IN-CHARGE -- DR. SADDIE PINCUS, EPIDEMIOLOGIST

IN 1945 THE VENEREAL DISEASE CLINIC TREATED 5,882 DIFFERENT PATIENTS FOR SYPHILIS AND GONORRHEA REQUIRING OVER 27,000 VISITS TO THE CLINICS. NUMBER OF TREATMENTS HAS NATURALLY DECLINED DUE TO THE MORE RAPID TYPE OF TREATMENT. THE LABORATORY MADE 61,592 BLOOD TESTS FOR SYPHILIS, 4,126 GONORRHEA CULTURE TESTS AND 7,685 GONORRHEA SMEAR TESTS.

THIS DIVISION PROVIDES, NOT ONLY TREATMENT, BUT CONCENTRATED FOLLOW-UP WORK TO INSURE CONTINUATION OF TREATMENT UNTIL CURE, TO FIND SOURCES OF INFECTION AND TO SECURE EXAMINATION OF ALL POSSIBLE CONTACTS. THIS WORK REQUIRED APPROXIMATELY 4,000 VISITS DURING THE YEAR.

THERE HAVE BEEN A NUMBER OF FUNDAMENTAL CHANGES IN VENEREAL DISEASE CONTROL. THE USE OF PENICILLIN HAS NOW BECOME A WELL ENTRENCHED MEASURE, BEING USED ROUTINELY FOR GONORRHEA AND FOR MANY CASES OF SYPHILIS.

TREATMENT OF GONORRHEA BY USE OF PENICILLIN HAS ALSO GREATLY AIDED THE EPIDEMIOLOGIC ACTIVITIES OF THIS DEPARTMENT. WE FEEL THAT THE USE OF ONE INJECTION OF PENICILLIN IN A SPECIAL OIL BASE IS CURATIVE AND WE THEREFORE DO NOT NEED TO FOLLOW UP DELINQUENT GONORRHEA PATIENTS AS WE DID WHEN TREATMENT TOOK SO LONG.

THE EARLY CASE OF SYPHILIS IS NOW ROUTINELY SUBJECTED TO THE RAPID TREATMENT WITH PENICILLIN AT THE ISOLATION HOSPITAL WITH ONLY FOLLOW-UP WORK, AND SPECIALS TO BE DONE AT THE CLINIC.

SINCE DEMOBILIZATION, WE HAVE BEEN INCREASINGLY ACTIVE IN THE HANDLING OF THE MANY VETERANS WITH DOUBTFUL OR POSITIVE SEROLOGY. MANY OF THESE ARE FOUND TO BE NON-SYPHILITIC, AND THE QUANTITATIVE SEROLOGIC LABORATORY TESTING HAS BEEN STARTED TO HELP IN THESE EVALUATIONS.

WE ARE LOOKING FORWARD TO A GREAT INCREASE IN CLINIC PATIENTS, AS MANY WHO HAVE BEEN ABLE TO GO TO PRIVATE PHYSICIANS WILL NOW NEED FREE TREATMENT. WE ARE ALSO SEEING AN INCREASING NUMBER OF CHRONIC OFFENDERS AS THE CURE OF GONORRHEA HAS BECOME SO SIMPLE AND PAINLESS.

## CLINIC REPORT

|   | <u>1941</u> | <u>1942</u> | <u>1943</u> | <u>1944</u> | <u>1945</u> |
|---|-------------|-------------|-------------|-------------|-------------|
| <u>SYPHILIS</u>                               |             |             |             |             |             |
| NEW PATIENTS - - - - -                        | 945         | 907         | 600         | 573         | 592         |
| TOTAL PATIENTS TREATED - - - - -              | 5960        | 4847        | 4325        | 4682        | 4761        |
| TREATMENTS GIVEN - - - - -                    | 55869       | 46253       | 27395       | 21332       | 21660       |
| CASES REPORTED FROM NEWARK - - - - -          | 2782        | 3221        | 1988        | 2116        | 2460        |
| CASES DISMISSED - ARRESTED OR CURED - - - - - | 1655        | 1324        | 1122        | 1355        | 1820        |
| PATIENTS PUT ON REST - - - - -                | 1814        | 1454        | 1409        | 880         | 550         |

## GONORRHEA

|                                      |       |      |      |      |      |
|--------------------------------------|-------|------|------|------|------|
| NEW PATIENTS - - - - -               | 729   | 696  | 860  | 502  | 737  |
| TOTAL PATIENTS TREATED - - - - -     | 1515  | 1257 | 1141 | 861  | 1121 |
| TREATMENTS GIVEN - - - - -           | 13226 | 6966 | 7926 | 6240 | 5605 |
| CASES REPORTED FROM NEWARK - - - - - | 1105  | 1942 | 808  | 904  | 846  |

## SOURCES OF INFECTION

|                              |     |     |     |     |     |
|------------------------------|-----|-----|-----|-----|-----|
| NAMED - - - - -              | 104 | 482 | 355 | 770 | 651 |
| FOUND AND EXAMINED - - - - - | 64  | 278 | 270 | 462 | 330 |
| FOUND INFECTIOUS - - - - -   | 26  | 152 | 141 | 216 | 107 |

\* \* \* \* \*

# LABORATORIES

## BACTERIOLOGICAL LABORATORY

DR. H. A. TARBELL, CHIEF BACTERIOLOGIST

|                                |      |
|--------------------------------|------|
| DIPHTHERIA CULTURES            | 3035 |
| " " POSITIVE                   | 0    |
| TUBERCULOSIS SPUTA             | 2301 |
| " " POSITIVE                   | 254  |
| TYPHOID (WIDALS)               | 134  |
| " " POSITIVE                   | 19   |
| DOG BRAIN (RABIES)             | 49   |
| POSITIVE (OUT-OF-TOWN DOGS)    | 4    |
| " (NEWARK DOGS)                | 2    |
| VINCENTS ANGINA SMEARS         | 6540 |
| " " POSITIVE                   | 1613 |
| GONORRHOEA SMEARS              | 5782 |
| " " POSITIVE                   | 1022 |
| EXAM. FOR FOOD POISONING       | 223  |
| " " UNDULANT FEVER             | 39   |
| " OF FECES & URINE             | 67   |
| PNEUMONIA TYPINGS              | 5    |
| WATER EXAMINATIONS             | 613  |
| MILK "                         | 1902 |
| ICE CREAM "                    | 202  |
| SHELL FISH "                   | 54   |
| SWABINGS FROM BEVERAGE GLASSES | 1101 |
| DOG BITE INVESTIGATIONS        | 2055 |
| PASTEUR TREATMENTS GIVEN       | 4    |

## CHEMICAL LABORATORY

HAUSEY DURAND, B.S., CHEMIST

|                                     |       |
|-------------------------------------|-------|
| TOTAL EXAMINATIONS                  | 7357  |
| MILK SAMPLES                        | 3024  |
| " " BELOW STANDARD                  | 10    |
| " AVERAGE SOLIDS (ALL SAMPLES)      | 12.49 |
| " " FAT "                           | 9.78  |
| CREAM SAMPLES                       | 49    |
| " " BELOW STANDARD                  | 12    |
| ICE CREAM SAMPLES                   | 161   |
| " " BELOW STANDARD                  | 12    |
| WATER SAMPLES                       | 517   |
| MISCL.                              | 338   |
| PHOSPHATASE TEST (MILK PASTEURIZIN) | 3268  |

NOTE - SPECIAL EXAMINATIONS INCLUDED  
HORSE MEAT ADDED SULPHITES AND EX-  
CESSIVE FAT CONTENT IN MEATS; ARTI-  
FICIAL FLAVORINGS, ETC.

## CLINIC LABORATORY (DISPENSARY PATIENTS)

FRANK CIASULLI, SR. LAB. TECHNICIAN

|                        |      |
|------------------------|------|
| VINCENTS ANGINA SMEARS | 140  |
| MALARIA SMEARS         | 110  |
| THRUSH SMEARS          | 35   |
| GONORRHOEA SMEARS      | 8661 |
| DARKFIELD EXAMINATIONS | 339  |
| COMPLETE BLOOD COUNTS  | 445  |
| COMPLETE URINALYSIS    | 1347 |
| HOEMATOCRIT            | 102  |
| TRICHOMONAS VAGINALIS  | 78   |

ALSO SPECIAL TESTS FOR CLOTTING AND  
BLEEDING TIME & SEDIMENTATION RATE ETC.

## SEROLOGICAL LABORATORY

DR. H. S. WARTLAND, PATHOLOGIST

|  |       |
|--|-------|
| BLOOD WASSERMANN - KOLMER TECHNIC      | 5803  |
| " " POSITIVE                           | 3135  |
| SPINAL FLUID WASSERMANN                | 1000  |
| " " POSITIVE                           | 94    |
| KAHN PRECIPITATION TESTS               | 46623 |
| " " POSITIVE                           | 4578  |
| DARKFIELD EXAMINATIONS                 | 3     |
| " " POSITIVE                           | 1     |
| SMEARS FOR GONOCOCCI (CITY HOSP. ONLY) | 6003  |
| " " POSITIVE                           | 457   |
| HETEROPHILE ANTIBODY TESTS             | 39    |
| " " POSITIVE                           | 13    |
| TOTAL EXAMINATIONS                     | 59471 |

## SOURCE OF BLOOD SPECIMENS FOR

### SYPHILIS EXAMINATION

|                                    |       |
|------------------------------------|-------|
| CITY HOSP; CHIEFLY EXCLUSION TEST  | 7247  |
| CITY DISP. (ROUTINE FOR PATIENTS)  |       |
| AND TO CONFIRM POS. KLINE TESTS OF |       |
| FOODHANDLERS AND DOMESTICS         | 5529  |
| OTHER HOSPITALS IN NEWARK          | 3689  |
| PHYSICIANS OF NEWARK               | 30340 |
| PRENATAL TESTS REQUIRED BY LAW     | 6086  |
| PREMARITAL TESTS REQUIRED BY LAW   | 10473 |

\* MANY PRENATAL BLOODS WERE  
PROBABLY NOT SO INDICATED.

## VENEREAL DISEASE LABORATORY

CARL CORDACCO, B.S., ASST. BACTERIOLOGIST

|             |                      |       |
|-------------|----------------------|-------|
| KLINE       | FOOD HANDLERS        | 15667 |
| BLOOD TESTS | " POSITIVE           | 155   |
| FOR         | DISPENSARY           | 1221  |
| SYPHILIS    | " POSITIVE           | 57    |
|             | DOMESTICS            | 1275  |
|             | " POSITIVE           | 71    |
|             | SYPHILIS CLINIC      | 4624  |
|             | " POSITIVE           | 1275  |
|             | SPECIAL              | 5921  |
|             | " POSITIVE           | 201   |
|             | DRAFTERS & ENLISTEES | 3425  |
|             | " POSITIVE           | 62    |
|             | INDUSTRIAL           | 2005  |
|             | " POSITIVE           | 92    |
|             | TOTAL                | 34138 |

## GONORRHOEA CULTURE LABORATORY

RUSSELL STEIN, B.S., BACTERIOLOGIST

BEING SUBSIDIZED BY STATE AND FEDERAL  
FUNDS, CULTURE EXAMINATIONS ARE MADE FOR  
ALL NORTH JERSEY. SERVES FOR CLINICS,  
PRIVATE PHYSICIANS, DRAFTS, ETC. SPEC-  
IMENS CAN BE DELIVERED FOR DAILY COLLEC-  
TION AT ALL NEWARK PRIVATE HOSPITALS.

|                      |       |
|----------------------|-------|
| TOTAL G. C. CULTURES | 13593 |
| POSITIVE             | 1663  |



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